

# Recombinant Human General transcription factor IIH subunit 5(GTF2H5)

Catalog No: #AP70372

Package Size: #AP70372-1 20ug #AP70372-2 100ug #AP70372-3 1mg

## Description

|                       |                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name          | Recombinant Human General transcription factor IIH subunit 5(GTF2H5)                                                                                                                                                                                                                                                                                                                                   |
| Host Species          | E.coli                                                                                                                                                                                                                                                                                                                                                                                                 |
| Purification          | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                            |
| Immunogen Description | Expression Region:1-71aaSequence Info:Full Length                                                                                                                                                                                                                                                                                                                                                      |
| Other Names           | General transcription factor IIH polypeptide 5TFB5 orthologTFIIH basal transcription factor complex TTD-A subunit                                                                                                                                                                                                                                                                                      |
| Accession No.         | Q6ZYL4                                                                                                                                                                                                                                                                                                                                                                                                 |
| Calculated MW         | 35.1 kDa                                                                                                                                                                                                                                                                                                                                                                                               |
| Tag Info              | N-terminal GST-tagged                                                                                                                                                                                                                                                                                                                                                                                  |
| Target Sequence       | MVNVLKGVLIECDPAMKQFLLYLDESNALGKKFIIQDIDDTHVFVIAELVNVLQERVGELMDQNAFSLTQK                                                                                                                                                                                                                                                                                                                                |
| Formulation           | Tris-based buffer50% glycerol                                                                                                                                                                                                                                                                                                                                                                          |
| Storage               | <p>The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.</p> <p>Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.</p> |

## Background

Component of the TFIIH basal transcription factor involved in nucleotide excision repair (NER) of DNA and, when complexed to CAK, in RNA transcription by RNA polymerase II. Necessary for the stability of the TFIIH complex and for the presence of normal levels of TFIIH in the cell.

## References

ATM and ATR substrate analysis reveals extensive protein networks responsive to DNA damage.Matsuoka S., Ballif B.A., Smogorzewska A., McDonald E.R. III, Hurov K.E., Luo J., Bakalarski C.E., Zhao Z., Solimini N., Lerenthal Y., Shiloh Y., Gygi S.P., Elledge S.J.Science 316:1160-1166(2007)Research Topic:Epigenetics and Nuclear Signaling

Note: This product is for in vitro research use only and is not intended for use in humans or animals.