Recombinant Human TAR DNA-binding protein 43(TARDBP),partial

Catalog No: #AP70825

Package Size: #AP70825-1 20ug #AP70825-2 100ug #AP70825-3 1mg

Signalway Antibody
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Description

Product Name	Recombinant Human TAR DNA-binding protein 43(TARDBP),partial
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-396aaSequence Info:Partial
Accession No.	Q13148
Calculated MW	58.9 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	MSEYIRVTEDENDEPIEIPSEDDGTVLLSTVTAQFPGACGLRYRNPVSQCMRGVRLVEGILHAPDAGWGNLVY VVNYPKDNKRKMDETDASSAVKVKRAVQKTSDLIVLGLPWKTTEQDLKEYFSTFGEVLMVQVKKDLKTGHSK GFGFVRFTEYETQVKVMSQRHMIDGRWCDCKLPNSKQSQDEPLRSRKVFVGRCTEDMTEDELREFFSQYG DVMDVFIPKPFRAFAFVTFADDQIAQSLCGEDLIIKGISVHISNAEPKHNSNRQLERSGRFGGNPGGFGNQGGF GNSRGGGAGLGNNQGSNMGGGMNFGAFSINPAMMAAAQAALQSSWGMMGMLASQQNQSGPSGNNQNQ GNMQREPNQAFGSGNNSYSGSNSGAAIGWGSASNAGSGSG
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. 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.

Background

DNA and RNA-binding protein which regulates transcription and splicing. Involved in the regulation of CFTR splicing. It promotes CFTR exon 9 skipping by binding to the UG repeated motifs in the polymorphic region near the 3'-splice site of this exon. The resulting aberrant splicing is associated with pathological features typical of cystic fibrosis. May also be involved in microRNA biogenesis, apoptosis and cell division. Can repress HIV-1 transcription by binding to the HIV-1 long terminal repeat. Stabilizes the low molecular weight neurofilament (NFL) mRNA through a direct interaction with the 3' UTR.

References

TDP43 is a human low molecular weight neurofilament (hNFL) mRNA-binding protein.Strong M.J., Volkening K., Hammond R., Yang W., Strong W., Leystra-Lantz C., Shoesmith C.Mol. Cell. Neurosci. 35:320-327(2007)Research Topic:Transcription