Recombinant Human Transcriptional enhancer factor TEF-3(TEAD4),partial

Catalog No: #AP76548

Package Size: #AP76548-1 20ug #AP76548-2 100ug #AP76548-3 1mg

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Recombinant Human Transcriptional enhancer factor TEF-3(TEAD4),partial
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:74-434aaSequence Info:Partial
Other Names	TEA domain family member 4 ;TEAD-4Transcription factor 13-like 1Transcription factor RTEF-1
Accession No.	Q15561
Uniprot	Q15561
GeneID	7004;
Calculated MW	56.7 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	MYGRNELIARYIKLRTGKTRTRKQVSSHIQVLARRKAREIQAKLKDQAAKDKALQSMAAMSSAQIISATAFHSS MALARGPGRPAVSGFWQGALPGQAGTSHDVKPFSQQTYAVQPPLPLPGFESPAGPAPSPSAPPAPPWQGR SVASSKLWMLEFSAFLEQQQDPDTYNKHLFVHIGQSSPSYSDPYLEAVDIRQIYDKFPEKKGGLKDLFERGPS NAFFLVKFWADLNTNIEDEGSSFYGVSSQYESPENMIITCSTKVCSFGKQVVEKVETEYARYENGHYSYRIHR SPLCEYMINFIHKLKHLPEKYMMNSVLENFTILQVVTNRDTQETLLCIAYVFEVSASEHGAQHHIYRLVKE
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

Transcription factor which plays a key role in the Hippo signaling pathway, a pathway involved in organ size control and tumor suppression by restricting proliferation and promoting apoptosis. The core of this pathway is composed of a kinase cascade wherein MST1,MST2, in complex with its regulatory protein SAV1, phosphorylates and activates LATS1,2 in complex with its regulatory protein MOB1, which in turn phosphorylates and inactivates YAP1 oncoprotein and WWTR1,TAZ. Acts by mediating gene expression of YAP1 and WWTR1,TAZ, thereby regulating cell proliferation, migration and epithelial mesenchymal transition (T) induction. Binds specifically and non-cooperatively to the Sph and GT-IIC 'enhansons' (5'-GTGGAATGT-3') and activates transcription. Binds to the M-CAT motif.

References

Structural basis of YAP recognition by TEAD4 in the hippo pathway.Chen L., Chan S.W., Zhang X., Walsh M., Lim C.J., Hong W., Song H.Genes Dev. 24:290-300(2010) Research Topic:Transcription

Note: This product is for in vitro research use only