

Recombinant human Transcriptional enhancer factor TEF-5

Catalog No: #AP71507

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Package Size: #AP71507-1 20ug #AP71507-2 100ug #AP71507-3 1mg

Description

Product Name	Recombinant human Transcriptional enhancer factor TEF-5
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:112-435aaSequence Info:Partial
Other Names	DTEF-1TEA domain family member 3 ;TEAD-3
Accession No.	Q99594
Uniprot	Q99594
GeneID	7005;
Calculated MW	52.3 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	MNLDQVSKDKALQSMASMSAQIVSASVLQNKFSPPSPLPQAVFSTSSRFWSSPPLLGQQPGPSQDIKPFQAQ PAYPIQPPLPPTLSSYEPLAPLPSAAASVPVWQDRTIASSRLRLLLEYSAFMEVQRDPDITYSKHLFVHIGQTNPA FSDPPLEAVDVRQIYDKFPEKKGGLKELYEKGPPNAFFLVKFWADLNSTIQEGPGAFYGVSSQYSSADSMTIS VSTKVCFSFGKQVVEKVEYARLENGRFVYRIHRSPMCEYMINFIHKLKHLPEKYMMSVLENFTILQVVTSRD SQETLLVIAFVFEVSTSEHGAQHVVYKLVKD
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 to multiple functional elements of the human chorionic somatomammotropin-B gene enhancer.

References

Human TEF-5 is preferentially expressed in placenta and binds to multiple functional elements of the human chorionic somatomammotropin-B gene enhancer.Jacquemin P., Martial J.A., Davidson I.J. Biol. Chem. 272:12928-12937(1997)Research Topic:Transcription

Note: This product is for in vitro research use only