Recombinant Human Transcriptional enhancer factor TEF-1(TEAD1)

Catalog No: #AP72809

Package Size: #AP72809-1 20ug #AP72809-2 100ug #AP72809-3 500ug

Orders: order@signalwayantibody.com
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Description

Product Name	Recombinant Human Transcriptional enhancer factor TEF-1(TEAD1)
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-426aaSequence Info:Full Length
Other Names	NTEF-1;Protein GT-IICTEA domain family member 1 ;TEAD-1Transcription factor 13 ;TCF-13
Accession No.	P28347
Uniprot	P28347
GeneID	7003;
Calculated MW	74 kDa
SDS-PAGE MW	74kDa
Tag Info	C-terminal GST-tagged
Target Sequence	MEPSSWSGSESPAENMERMSDSADKPIDNDAEGVWSPDIEQSFQEALAIYPPCGRRKIILSDEGKMYGRNELI ARYIKLRTGKTRTRKQVSSHIQVLARRKSRDFHSKLKDQTAKDKALQHMAAMSSAQIVSATAIHNKLGLPGIPR PTFPGAPGFWPGMIQTGQPGSSQDVKPFVQQAYPIQPAVTAPIPGFEPASAPAPSVPAWQGRSIGTTKLRLV EFSAFLEQQRDPDSYNKHLFVHIGHANHSYSDPLLESVDIRQIYDKFPEKKGGLKELFGKGPQNAFFLVKFWA DLNCNIQDDAGAFYGVTSQYESSENMTVTCSTKVCSFGKQVVEKVETEYARFENGRFVYRINRSPMCEYMIN FIHKLKHLPEKYMMNSVLENFTILLVVTNRDTQETLLCMACVFEVSNSEHGAQHHIYRLVKD
Formulation	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 7.4.
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 cooperatively to the SPH and GT-IIC 'enhansons' (5'-GTGGAATGT-3') and activates transcription in vivo in a cell-specific manner. The activation function appears to be mediated by a limiting cell-specific transcriptional intermediary factor (TIF). Involved in cardiac development. Binds to the M-CAT motif.

References

Cloning, expression, and transcriptional properties of the human enhancer factor TEF-1.Xiao J.H., Davidson I., Matthes H., Garnier J.-M., Chambon P.Cell 65:551-568(1991)

Research Topic:Cardiovascular

Note: This product is for in vitro research use only