

Recombinant human m7GpppN-mRNA hydrolase

Catalog No: #AP73096



Package Size: #AP73096-1 20ug #AP73096-2 100ug #AP73096-3 1mg

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	Recombinant human m7GpppN-mRNA hydrolase
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-385aaSequence Info:Full Length of isoform 2
Other Names	Nucleoside diphosphate-linked moiety X motif 20 ;Nudix motif 20mRNA-decapping enzyme 2 ;hDpc
Accession No.	Q8IU60
Uniprot	Q8IU60
GeneID	167227;
Calculated MW	46.4 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	METKRVEIPGSLVDDFCRFLHIPSEERDNAIRVCFQIELAHWFYLDYFMQNTPLPQCGRDFAKAVFSHCPLLPQGEDVEKVLDEWKEYKMGVPTYGAILDETLENVLLVQGYLAKSGWGFPGKGVNKEEAPHDCAAREVFEETGFDIKDYICKDDYIELRINDQLARLYIIPGIPKDTKFNPKTRREIRNIEWFSIEKLPCHRNDMTPKSKLGLAPNKKFFMAIPFIRPLRDWLSRRFGDSSSDNGFSSTGSTPAKPTVEKLSRTKFRHSQQLPDGPSPGDQWVKHRQPLQQKPYNNHSEMSDLLKGGKCEKLLHPRKLQDNFETDAVYDLPSSSEDQLLEHAEGQPVACNGHCKFPFSSRAFLSFKFDHNAIMKILD
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

Decapping metalloenzyme that catalyzes the cleavage of the cap structure on mRNAs. Removes the 7-methyl guanine cap structure from mRNA molecules, yielding a 5'-phosphorylated mRNA fragment and 7m-GDP. Necessary for the degradation of mRNAs, both in normal mRNA turnover and in nonsense-mediated mRNA decay. Plays a role in replication-dependent histone mRNA degradation. Has higher activity towards mRNAs that lack a poly(A) tail. Has no activity towards a cap structure lacking an RNA moiety

References

Identification of a human decapping complex associated with hUpf proteins in nonsense-mediated decay.Lykke-Andersen J.Mol. Cell. Biol. 22:8114-8121(2002)Research Topic:Transcription

Note: This product is for in vitro research use only