

Recombinant human Diphthamide biosynthesis protein 2

Catalog No: #AP71502

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Package Size: #AP71502-1 20ug #AP71502-2 100ug #AP71502-3 1mg

Description

Product Name	Recombinant human Diphthamide biosynthesis protein 2
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-489aaSequence Info:Full Length
Other Names	DPH2 homolog ;HsDph2Diphthamide biosynthesis protein 2 homolog-like 2 ;DPH2-like 2
Accession No.	Q9BQC3
Uniprot	Q9BQC3
GeneID	1802;
Calculated MW	68.1 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	MESMFSSPAEALQRETGVPGLLTPLPDLGVIYELERVAGFVRDLGCERVALQFPDQLLGDAVAVAAARLEET TGSKMFI LGDTAYGCCVDVLGAEQAGAQAALIHFGPAACLSPPARPLPVAFVLRQRSVALELCVKAFAEQNPDP KAPVLLSEPAHALEALATLLRPRYDLLVSSPAFPQPVGSLSPPEMLERFGRRFPLAPGRRLEEEYGAFY VGGSKASPDPLDPLSRLLLGWAPGQPFSSCCPDTGKTQDEGARAGRLRARRRYLVERARDARVVGLLAG TLGVAQHREALHLRNLQAAGKRSYVLALGRPTAKLANFPEVDVFLACPLGALAPQLSGSFFQPILAPCE LEAACNPAWPPPGLAPHLTHYADLLPGSPFHVALPPPESELWETPDVSLITGDLRPPPAWKSSNDHGSLALTP RPQLELAESSPAASFSSRSWQGLEPRLGQTPVTEAVSGRRGIAIAYEDEGSG
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

Required for the first step in the synthesis of diphthamide, a post-translational modification of histidine which occurs in translation elongation factor 2 (EEF2).

References

Cloning and localization of a human diphthamide biosynthesis-like protein-2 gene, DPH2L2.Schultz D.C., Balasara B.R., Testa J.R., Godwin A.K.Genomics 52:186-191(1998)Research Topic:Cell Biology

Note: This product is for in vitro research use only