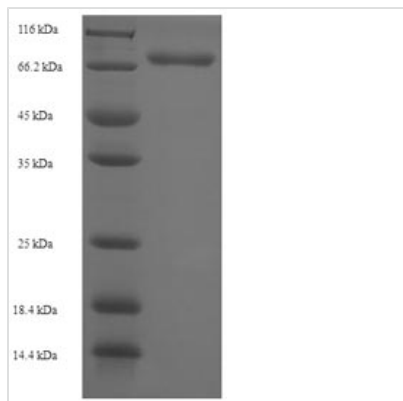




Recombinant Human Diphthamide biosynthesis protein 2 (DPH2)

Product Code	CSB-EP859031HU
Relevance	Required for the first step in the synthesis of diphthamide, a post-translational modification of histidine which occurs in translation elongation factor 2 (EEF2).
Abbreviation	Recombinant Human DPH2 protein
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.
Uniprot No.	Q9BQC3
Alias	DPH2 homolog ;HsDph2Diphthamide biosynthesis protein 2 homolog-like 2 ;DPH2-like 2
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	MESMFSSPAEAALQRETGVPGLLTPLPDLG VYELERVAGFVRDLGCERVAL QFPDQLLGDAVAVARLEETTGSKMFILGDTAYGCCVDVLGAEQAGAQUALIH FGPACLSPPARPLPVAFVLRQRSVALELCVKAFE AQNPDPKAPVLLSE PACA HALEALATLLRPRYLDLLVSSPAFPQPVGSLSP EPMPLERFGRRFPLAPGRRL EEYGAFYVGGSKASPDPLDPLSRLLL GWAPGQPFSSCCPDTGKTQDEGA RAGRLRARRRYLVERARDARVVGLLAGTLGVAQHREALAHLRNLTQAAGKRS YVLALGRPTPAKLANFPEVDV FVLLACPLGALAPQLSGSFFQPILAPCELEAAC NPAWPPPGLAPHLTHYADLLPGSPFHVALPPPESELWETPDVSLITGDLRPPP AWKSSNDHGSLALTPRPQLELAESSPAASFLSSRSWQGLEPRLGQTPVTEAV SGRRGIAIAYEDEGSG
Research Area	Cell Biology
Source	E.coli
Target Names	DPH2
Protein Names	Recommended name: Diphthamide biosynthesis protein 2 Alternative name(s): DPH2 homolog Short name= HsDph2 Diphthamide biosynthesis protein 2 homolog-like 2 Short name= DPH2-like 2
Expression Region	1-489aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	68.1kDa

**Protein Length****Full Length****Image**

(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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.