



# Recombinant Human Diphthamide biosynthesis protein 2 (DPH2)

<b>Product Code</b>	CSB-YP859031HU
<b>Abbreviation</b>	DPH2
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q9BQC3
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MESMFSSPAE AALQRETGVP GLLTPLPDL GUYELERVAG FVRDLGCERV ALQFPDQLL DAVAVAARLE ETTGSKMFIL GDTAYGSCCV DVLGAEQAGA QALIHFGPAC LSPPARLPV AFVLRQRSVA LELCVKAFFA QNPDPKAPVV LLSEPACAAH LEALATLLRP RYLDLLVSSP AFPQPVGSL S PEPMLERFG RRFPLAPGRR LEEYGAFYVG GSKASPDPL DPDLRLLLG WAPGQPFSSC CPDTGKTQDE GARAGRLRAR RRYLVERARD ARVVGLLAGT LGVAQHREAL AHLRNLTQAA GKRSYVLALG RPTPAKLANF PEVDVFVLLA CPLGALAPQL SGSFFQPILA PCELEAACNP AWPPPGLAPH LTHYADLLPG SPFHVALPPP ESELWETPDV SLITGDLRPP PAWKSSNDHG SLALTPRPQL ELAESSPAAS FLSSRSWQGL EPRLGQTPVT EAVSGRRGIA IAYEDEGSG
<b>Source</b>	Yeast
<b>Target Names</b>	DPH2
<b>Protein Names</b>	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
<b>Expression Region</b>	1-489
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	This gene is one of two human genes similar to the yeast gene dph2. The yeast gene was identified by its ability to complement a diphthamide mutant strain, and thus probably functions in diphthamide biosynthesis. Diphthamide is a post-translationally modified histidine residue present in elongation factor 2 (EF2) that is the target of diphtheria toxin ADP-ribosylation. Two transcript variants encoding different isoforms have been found for this gene.

**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**

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