



# Recombinant Human Diphthamide biosynthesis protein 2 (DPH2)

<b>Product Code</b>	CSB-MP859031HU
<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 LELCVKAFA QNPDPKAPVV LLSEPACAH LEALATLLRP RYLDLLVSSP AFPQPVGSL PEPMLERFG RRFPLAPGRR LEEYGAFYVG GSKASPDPL DPDLRLLLG WAPGQPFSSC CPDTGKTQDE GARAGRLRAR RRYLVERARD ARVVGLLAGT LGVAQHREAL AHLRNLTQAA GKRSYVLALG RPTPAKLANF PEVDVFVLLA CPLGALAPQL SGSFFQPILA PCELEAACNP AWPPPGLAPH LTHYADLLPG SPFHVALPPP ESELWETPDV SLITGDLRPP PAWKSSNDHG SLALTTPRPQL ELAESSPAAS FLSSRSWQGL EPRLGQTPVT EAVSGRRGIA IAYEDEGSG
<b>Source</b>	Mammalian cell
<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? 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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