

Recombinant Human DPH2 Protein (1-489 aa), His-SUMO-tagged

Cat. No. DPH2-1111H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DPH2 Protein (1-489 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Cell Biology. Protein Description: Full Length.
Species	Human
Source	E.coli
ProteinLength	1-489 aa
Description	Required for the first step in the synthesis of diphthamide, a post-translational modification of histidine which occurs in translation elongation factor 2 (EEF2).
Form	Tris-based buffer, 50% glycerol
Molecular Mass	68.1 kDa
AA Sequence	MESMFSSPAEAAALQRETGVPGLLTPLPDLGVYELERVAGFVRDLGCERVALQFPD QLLGDAVAVAAARLEETTGSKMFI LGDTAYGSCCVDVLGAEQAGAQA LIHFGPACLS PARPLPVAFVLRQRSVALELCVKAFEAQNPD PKAPVVLLSEPACAHAEALATLLRP RYLDLLVSSPAFPQPVGSLSEPMPLERFGRRFPLAPGRRLEEYGA FYVGGSKASP DPDLDPDLSRLLL GWAPGQPFSSCCPD TGKTQDEGARAGRLRARRRYLVERARDA RVVGLLAGTLGVAQHREALAHLRNLTQAAGKRSYVLALGRPTPAKLANFPEVDV FVL LACPLGALAPQLSGSFFQPILAPCELEAACNPAWPPPGLAPHLTHYADLLPGSPFHV

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	ALPPPESELWETPDVSLITGDLRPPPAWKSSNDHGSLALTPRPQLELAESSPAASFL SSRSWQGLEPRLGQTPVTEAVSGRRGIAIAYEDEGSG
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with concentration instruction is sent along with the products.

GENE INFORMATION

Gene Name	DPH2 DPH2 homolog (<i>S. cerevisiae</i>) [<i>Homo sapiens</i>]
Official Symbol	DPH2
Synonyms	DPH2; DPH2-like 2; DPH2L2;
Gene ID	1802
mRNA Refseq	NM_001039589
Protein Refseq	NP_001034678
MIM	603456

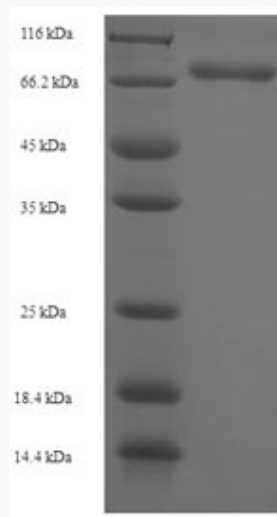
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UniProt ID

Q9BQC3



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

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