

Recombinant Human DPH5 Protein, GST-tagged

Cat. No. DPH5-2835H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DPH5 full-length ORF (NP_001070862.1, 1 a.a. - 285 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene encodes a component of the diphthamide synthesis pathway. Diphthamide is a post-translationally modified histidine residue found only on translation elongation factor 2. It is conserved from archaebacteria to humans, and is targeted by diphtheria toxin and Pseudomonas exotoxin A to halt cellular protein synthesis. The yeast and Chinese hamster homologs of this protein catalyze the trimethylation of the histidine residue on elongation factor 2, resulting in a diphthine moiety that is subsequently amidated to yield diphthamide. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Molecular Mass	58.1 kDa
AA Sequence	MLYLIGLGLGDAKDITVKGLEVVRRCSRVYLEAYTSVLTVGKEALEEFYGRKLVVADR EEVEQEADNILKDADISDVAFLVVGDPFGATTSDLVLRATKLGIPYRVIHNASIMNAV GCCGLQLYKFGETVSIVFWTDTWRPESFFDKVKKNRQNGMHTLCLLDIKVKEQSLE NLIKGRKIYEPPRYMSVNQAAQQLLEIVQNQRIRGEPAVTEETLCVGLARVGADDQ KIAAGTLRQMCTVDLGEPLHSLITGGSIHPMEMEMLSLFSIPENSSESQSINGL
Applications	Enzyme-linked Immunoabsorbent Assay

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

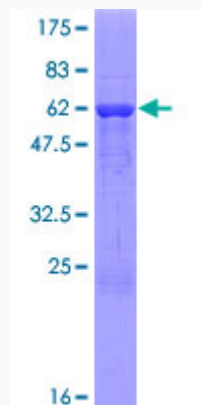
	Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	DPH5 DPH5 homolog (<i>S. cerevisiae</i>) [<i>Homo sapiens</i>]
Official Symbol	DPH5
Synonyms	DPH5; DPH5 homolog (<i>S. cerevisiae</i>); diphthine synthase; CGI 30; protein x 0011; diphthamide biosynthesis methyltransferase; AD-018; CGI-30; NPD015; HSPC143; MGC61450;
Gene ID	51611
mRNA Refseq	NM_001077394
Protein Refseq	NP_001070862
MIM	611075
UniProt ID	Q9H2P9

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA