Recombinant Human DPH1 Protein, GST-tagged

Cat. No. DPH1-2829H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DPH1 full-length ORF (NP_001374, 1 a.a. - 363 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	The protein encoded by this gene is an enzyme involved in the biosynthesis of diphthamide, a modified histidine found only in elongation factor-2 (EEF2). Diphthamide residues in EEF2 are targeted for ADP-ribosylation by diphtheria toxin and Pseudomonas exotoxin A. Defects in this gene have been associated with both ovarian cancer and autosomal recessive intellectual disability with short stature, craniofacial, and ectodermal anomalies. [provided by RefSeq, Oct 2016]
Molecular Mass	65.56 kDa
AA Sequence	MPEGLLLFACTIVDILERFTEAEVMVMGDVTYGACCVDDFTARALGADFLVHYGHSC LIPMDTSAQDFRVLYVFVDIRIDTTHLLDSLRLTFPPATALALVSTIQFVSTLQAAAQEL KAEYRVSVPQCKPLSPGEILGCTSPRLSKEVEAVVYLGDGRFHLESVMIANPNVPAY RYDPYSKVLSREHYDHQRMQAARQEAIATARSAKSWGLILGTLGRQGSPKILEHLES RLRALGLSFVRLLLSEIFPSKLSLLPEVDVWVQVACPRLSIDWGTAFPKPLLTPYEAA VALRDISWQQPYPMDFYAGSSLGPWTVNHGQDRRPHAPGRPARGKVQEGSARPP SAVACEDCSCRDEKVAPLAP
Applications	Enzyme-linked Immunoabsorbent Assay

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	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	DPH1 DPH1 homolog (S. cerevisiae) [Homo sapiens]
Official Symbol	DPH1
Synonyms	DPH1; DPH1 homolog (S. cerevisiae); diptheria toxin resistance protein required for diphthamide biosynthesis like 1 (S. cerevisiae) , DPH like 1 (S. cerevisiae) , DPH2L, DPH2L1; diphthamide biosynthesis protein 1; ovarian tumor suppressor candidate 1; OVCA1; DPH-like 1; DPH2-like 1; ovarian cancer-associated gene 1 protein; candidate tumor suppressor in ovarian cancer 1; diphthamide biosynthesis protein 2 homolog-like 1; diptheria toxin resistance protein required for diphthamide biosynthesis-like 1; diptheria toxin resistance protein required for diphthamide biosynthesis (Saccharomyces)-like 1; DPH2L; DPH2L1; FLJ33211;
Gene ID	1801
mRNA Refseq	NM_001383
Protein Refseq	NP_001374

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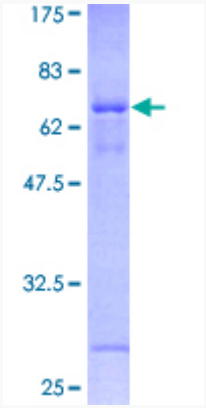
MIM	603527
UniProt ID	Q9BZG8
Quality Control Testing	 12.5% SDS-PAGE Stained with Coomassie Blue.

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