

Datasheet for ABIN6388024
DPH2 Protein (AA 1-489) (His tag)



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1 Image

Overview

Quantity:	50 µg
Target:	DPH2
Protein Characteristics:	AA 1-489
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DPH2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence: MESMFSSPAE AALQRETGVP GLLTPLPDLG GYELERVAG FVRDLGCERV ALQFPDQLLG
DAVAVAARLE ETTGSKMFIL GDTAYGSCCV DVLGAEQAGA QALIHFGPAC LSPPARPLPV
AFVLRQRSVA LELCVKAFFA QNPDPKAPVV LLSEPACAH A LEALATLLRP RYLDLLVSSP
AFPQPVGSL S PEPMPLEFRG RRFPLAPGRR LEEYGAFYVG GSKASDPDL DPDLRLLLG
WAPGQPFSSC CPDTGKTQDE GARAGRLRAR RRYLVERARD ARVVGLLAGT LGVAQHREAL
AHLRNLQAA GKRSYVLALG RPTPAKLANF PEVDVVFLLA CPLGALAPQL SGSFFQPILA
PCELEAACNP AWPPPGLAPH LTHYADLLPG SPFHVALPPP ESELWETPDV SLITGDLRPP
PAWKSSNDHG SLALTPRPQL ELAESSPAAS FLSSRSWQGL EPRLGQTPVT EAVSGRRGIA
IAYEDEGSG L EHHHHHH

Purity: > 85 % by SDS - PAGE

Endotoxin Level: < 1.0 EU per 1 microgram of protein (determined by LAL method)

Target Details

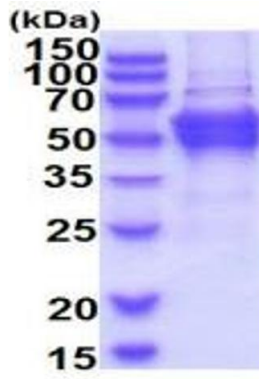
Target:	DPH2
Alternative Name:	DPH2 (DPH2 Products)
Background:	<p>DPH2, also known as diphthamide biosynthesis protein 2, is a homodimer and each of its monomers can bind a [4Fe-4S] cluster. It is the target of ADP ribosylating diphtheria toxin (DT) and Pseudomonas exotoxin A (PE). It was identified by its ability to complement a diphthamide mutant strain, and thus functions in diphthamide biosynthesis. Its loss pre-activates NF-κB and death receptor pathways and renders MCF7 cells hypersensitive to tumor necrosis factor. Recombinant human DPH2, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.</p>
Molecular Weight:	53.1kDa (497aa) 50-70kDa (SDS-PAGE under reducing conditions)
NCBI Accession:	NP_001375
UniProt:	Q9BQC3

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 1 mM DTT, 20 % glycerol.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



15% SDS-PAGE (3ug)

SDS-PAGE

Image 1.