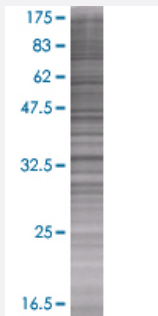


DPH5 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00051611-T01

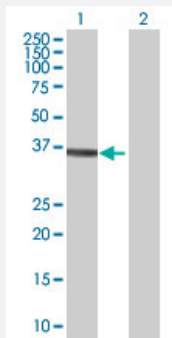
Size 100 uL

Applications



SDS-PAGE Gel

DPH5 transfected lysate.



Western Blot

Lane 1: DPH5 transfected lysate (31.46 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-DPH5 full-length
Host	Human
Theoretical MW (kDa)	31.46
Interspecies Antigen Sequence	Mouse (91); Rat (91)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-DPH5 antibody ([H00051611-B01](#)) by Western Blots.
SDS-PAGE Gel
DPH5 transfected lysate.
Western Blot
Lane 1: DPH5 transfected lysate (31.46 KDa)
Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — DPH5

Entrez GeneID[51611](#)**GeneBank Accession#**[BC053857.1](#)**Protein Accession#**[NP_001070862.1](#)**Gene Name**

DPH5

Gene Alias

AD-018, CGI-30, HSPC143, MGC61450, NPD015

Gene Description

DPH5 homolog (S. cerevisiae)

Omim ID[611075](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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 archaeobacteria 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]

Other Designations

OTTHUMP00000012522|OTTHUMP00000012523|OTTHUMP00000012524|diphthamide biosynthesis methyltransferase|diphthine synthase|protein x 0011