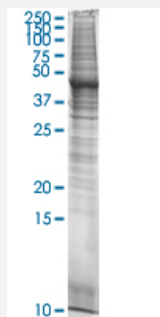


HERPUD1 HEK293 Cell Transient Overexpression Lysate(Non-Denatured)

Catalog # L126T6

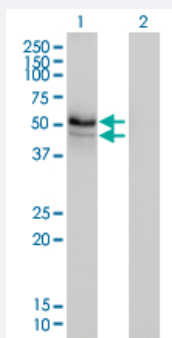
Size 100 ug

Applications



SDS-PAGE Gel

HERPUD1 transfected lysate



Western Blot

Lane 1: HERPUD1 transfected lysate (44 KDa).

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	HEK293
Plasmid	pCMV-HERPUD1 full length
Host	Human
Theoretical MW (kDa)	44
Lysis Buffer	Modified RIPA Lysis Buffer:50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF.
Concentration	2 mg/ml

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-HERPUD1 antibody ([H00009709-M01](#)) by Western Blots.
SDS-PAGE Gel
HERPUD1 transfected lysate
Western Blot
Lane 1: HERPUD1 transfected lysate (44 KDa).
Lane 2: Non-transfected lysate.

Recommend Usage

Use it directly for immuno-precipitation, or heat lysate with SDS gel loading buffer to 95°C for 5 minutes followed by rapid cooling for western blot application. If dissociating conditions are required, add reducing agent prior to heating.

Storage Buffer

In modified RIPA Lysis Buffer.

Storage Instruction

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

Applications

- Western Blot
- Immunoprecipitation

[Protocol Download](#)

Gene Info — HERPUD1

Entrez GeneID

[9709](#)

GeneBank Accession#

[BC000086](#)

Protein Accession#

[AAH00086](#)

Gene Name

HERPUD1

Gene Alias

HERP, KIAA0025, Mif1, SUP

Gene Description

homocysteine-inducible, endoplasmic reticulum stress-inducible, ubiquitin-like domain member 1

Omim ID

[608070](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

The accumulation of unfolded proteins in the endoplasmic reticulum (ER) triggers the ER stress response. This response includes the inhibition of translation to prevent further accumulation of unfolded proteins, the increased expression of proteins involved in polypeptide folding, known as the unfolded protein response (UPR), and the destruction of misfolded proteins by the ER-associated protein degradation (ERAD) system. This gene may play a role in both UPR and ERAD. Its expression is induced by UPR and it has an ER stress response element in its promoter region while the encoded protein has an N-terminal ubiquitin-like domain which may interact with the ERAD system. This protein has been shown to interact with presenilin proteins and to increase the level of amyloid-beta protein following its overexpression. Alternative splicing of this gene produces multiple transcript variants, some encoding different isoforms. The full-length nature of all transcript variants has not been determined. [provided by RefSeq]

Other Designations

MMS-inducible|homocysteine-inducible endoplasmic reticulum stress-inducible ubiquitin-like domain member 1 protein|methyl methanesulfonate (MMF)-inducible fragment protein 1

Disease

- [Kidney Failure](#)