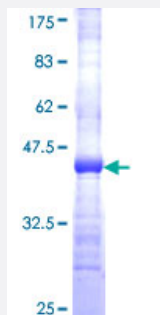


# HERPUD1 (Human) Recombinant Protein (Q01)

Catalog # H00009709-Q01

Size 25 ug, 10 ug

## Applications



## Specification

<b>Product Description</b>	Human HERPUD1 partial ORF ( NP_055500, 74 a.a. - 180 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Sequence</b>	PKQEKRHVLHLVCNVKSPSKMPEINAKVAESTEEPAGSNRGQYPEDSSSDGLRQREVLRNLSSPGWENISRPEAAQQAFFQGLGPGFSGYTPYGLQLSWFQQIYARQ
<b>Host</b>	Wheat Germ (in vitro)
<b>Theoretical MW (kDa)</b>	37.51
<b>Interspecies Antigen Sequence</b>	Mouse (88); Rat (87)
<b>Preparation Method</b>	<a href="#">in vitro wheat germ expression system</a>
<b>Purification</b>	Glutathione Sepharose 4 Fast Flow
<b>Quality Control Testing</b>	12.5% SDS-PAGE Stained with Coomassie Blue.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — HERPUD1

Entrez GeneID	<a href="#">9709</a>
GeneBank Accession#	<a href="#">NM_014685</a>
Protein Accession#	<a href="#">NP_055500</a>
Gene Name	HERPUD1
Gene Alias	HERP, KIAA0025, Mif1, SUP
Gene Description	homocysteine-inducible, endoplasmic reticulum stress-inducible, ubiquitin-like domain member 1
Omim ID	<a href="#">608070</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	<p>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 a myloid-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]</p>
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](#)