



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Datasheet

### HERPUD1 (Human) Recombinant Protein (P01)

**Catalog Number:** H00009709-P01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human HERPUD1 full-length ORF ( AAH32673, 1 a.a. - 391 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MESETEPEPVTLKLVKSPNQRHRDLELSGDRGWSVGH  
LKAHLRVYPERPRPEDQRLIYSGKLLLDHQCLRDLLP  
KQEKRHVLHLVCNVKSPKMPKPEINAKVAESTEPEAGS  
NRGQYPEDSSSDGLRQREVLRLNLSPPGWENISRPEA  
AQQAFQQLGPGFSGYTPYGLWQLSWFQQIYARQYYM  
QYLAATAASGAFVPPPSAQEIPVVSAPAPAPIHNQFPA  
ENQPANQNAAPQVVVNPGANQNLRMNAQGGPIVEED  
DEINRDWLDWTYSAATFSVFLSILYFYSSLSRFLMVMG  
ATVVMYLHHVGVFPFRPRPVQNFNDGPPDPVNVQD  
PNNNLQEGTDPETEDPNHLPPDRDVLGDGEQTSPSFM  
STAWLVFKTFFASLLPEGPPIAN

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 68.75

**Interspecies Antigen Sequence:** Mouse (88); Rat (87)

**Applications:** AP, Array, ELISA, WB-Re  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Preparation Method:** [in vitro wheat germ expression system](#)

**Purification:** Glutathione Sepharose 4 Fast Flow

**Storage Buffer:** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**Storage Instruction:** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 9709

**Gene Symbol:** HERPUD1

**Gene Alias:** HERP, KIAA0025, Mif1, SUP

**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]