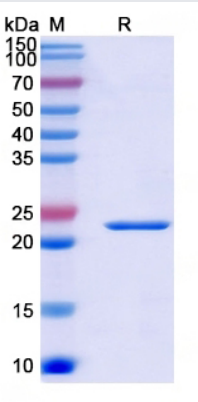
HERPUD1 Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	HERPUD1, Recombinant Protein
Full Product Name	Recombinant Human HERPUD1 Protein, N-His-SUMO & C-Strep
Product Gene Name	HERPUD1 recombinant protein
Product Synonym Names	HERPUD1; HERP; Homocysteine-responsive endoplasmic reticulum-resident ubiquitin-like domain member 1 protein; MIF1; KIAA0025; Methyl methanesulfonate (MMF)-inducible fragment protein 1
Host	E coli
Form/Format	Lyophilized from a solution in PBS pH7.4, 0.02% NLS, 1mM EDTA, 4% Trehalose, 1% Mannitol.
Purity/Purification	>90% as determined by SDS-PAGE
Preparation and Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 degree C for one week. Store at -20 to -80 degree C for twelve months from the date of receipt.
Molecular Weight	40,851 Da
Sequence Positions	Glu8-Asn87
OMIM	608070
3D Structure	ModBase 3D Structure for Q15011
Species	Human
Reconstitution	Reconstitute in sterile water for a stock solution.
Product Categories/Family for HERPUD1 recombinant protein	Recombinant Proteins
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for HERPUD1 recombinant protein	SDS-PAGE (SDS), Western Blot (WB), ELISA (EIA), Immunogen
Related Product Information for HERPUD1 recombinant protein	MBS1576986 is a recombinant protein targeting HERPUD1. Also known as Recombinant Human HERPUD1 Protein, N-His-SUMO & C-Strep. Host: E coli.
Other Notes	Small volumes of HERPUD1 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



SDS-Page of HERPUD1 recombinant protein
SDS PAGE for Recombinant Human HERPUD1 Protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HERPUD1. It may not necessarily be applicable to this product.

NCBI GI #	58530857
NCBI GeneID	9709
NCBI Accession #	NP_001010989.1
UniProt Primary Accession #	Q15011
UniProt Secondary Accession #	O60644; Q6IAN8; Q96D92; E9PGD1
UniProt Related Accession #	Q15011
GenBank Nucleotide #	NM_001010989.2
NCBI Official Full Name	homocysteine-responsive endoplasmic reticulum-resident ubiquitin-like domain member 1 protein isoform 2
NCBI Official Synonym Full Names	homocysteine inducible ER protein with ubiquitin like domain 1
NCBI Official Symbol	HERPUD1
NCBI Official Synonym Symbols	SUP; HERP; Mif1
UniProt Protein Name	Homocysteine-responsive endoplasmic reticulum-resident ubiquitin-like domain member 1 protein
UniProt Synonym Protein Names	Methyl methanesulfonate (MMF)-inducible fragment protein 1
Protein Family	Homocysteine-responsive endoplasmic reticulum-resident ubiquitin-like domain member 1 protein
UniProt Gene Name	HERPUD1
UniProt Synonym Gene Names	HERP; KIAA0025; MIF1
UniProt Entry Name	HERP1_HUMAN
NCBI Protein Information	homocysteine-responsive endoplasmic reticulum-resident ubiquitin-like domain member 1 protein

UniProt Comments for HERPUD1	HERPUD1: Component of the endoplasmic reticulum quality control (ERQC) system also called ER-associated degradation (ERAD) involved in ubiquitin-dependent degradation of misfolded endoplasmic reticulum proteins. Could enhance presenilin-mediated beta-amyloid protein 40 generation. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral; Membrane protein, multi-pass Chromosomal Location of Human Ortholog: 16q13 Cellular Component: endoplasmic reticulum; endoplasmic reticulum membrane; membrane Molecular Function: protein binding Biological Process: endoplasmic reticulum calcium ion homeostasis; response to unfolded protein; retrograde protein transport, ER to cytosol
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