
Product Data Sheet

Product Name: HERPUD1 Human

Cat. No.: GP23633

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Homocysteine-responsive endoplasmic reticulum-resident ubiquitin-like domain member 1 protein; HERPUD1; Methyl methanesulfonate (MMF)-inducible fragment protein 1; HERP; KIAA0025; MIF1; Mif1; SUP.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMESETEP EPVTLLVKSP NQRHRDLELS GDRGWSVGHL KAHLRVYPE RRPEDQRLI YSGKLLLDHQ CLRDLLPKQE KRHVLHLVCN VKSPSKMPEI NAKVAESTEE PAGSNRGQYP EDSSSDGLRQ REVLRLNLSSP GWENISRPEA AQQAFQGLGP GFSGYTPYGW LQLSWFQQIY ARQYYMQYLA ATAASGAFVP PPSAQEIPVV SAPAPAPIHN QFPAENQPAN QNAAPQVVVN PGANQNLRMN AQGGPIVEED DEINRD.		
Formulation	The HERPUD1 solution (0.5mg/1ml) contains Phosphate buffer saline (pH 7.4) and 10% glycerol.		

Introduction

HERPUD1 is a multi-pass membrane protein which is a part of the endoplasmic reticulum quality control system. HERPUD1 owns 1 N-terminal ubiquitin-like domain and is expressed highly in the brain. HERPUD1 is also known as ER-associated degradation (ERAD) which takes part in ubiquitin-dependent degradation of misfolded endoplasmic reticulum proteins.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

HERPUD1 Human Recombinant produced in E. coli is a single polypeptide chain

Caution: Product has not been fully validated for medical applications. For research use only.

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containing 286 amino acids (1-263) and having a molecular mass of 31.6kDa.HERPUD1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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