

Recombinant Full Length Human EDEM2 Protein, GST-tagged

Cat. No. EDEM2-4185HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human EDEM2 full-length ORF (AAH01371.1, 1 a.a. - 578 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	578 amino acids
Description	In the endoplasmic reticulum (ER), misfolded proteins are retrotranslocated to the cytosol and degraded by the proteasome in a process known as ER-associated degradation (ERAD). EDEM2 belongs to a family of proteins involved in ERAD of glycoproteins (Mast et al., 2005 [PubMed 15537790]).[supplied by OMIM, Mar 2008]
Molecular Mass	91.2 kDa
AA Sequence	MPFRLLIPLGLLCALLPQHGGAPGPDGSAPDPAHYRERVKAMFYHAYDSYLENAFP FDELRPLTCDGHDTWGSFSLTLIDALDTLLILGNVSEFQRVVEVLQDSVDFDIDVNAS VFETNIRVVGGLLSAHLLSKKAGVEVEAGWPCSGPLLRMAEEAARKLLPAFQTPTG MPYGTVNLLHGVNPGETPVTCTAGIGTFIVEFATLSSLTGDPVFEDVARVALMRLWE SRSDIGLVGNHIDVLTGKWVAQDAGIGAGVDSYFEYLVKGAILLQDKKLMAMFLEYN KAIRNYTRFDDWYLVWQMYKGTVSMPVFQSLEAYWPGLQSLIGDIDNAMRTFLNYY TVWKQFGGLPEFYNIQGYTVEKREGYPLRPELIESAMYLYRATGDPTLLELGRDAV ESIEKISKVECGFATIKDLRDHKLDNRMESFFLAETVKYLYLLFDPTNFIHNNGSTFDT VITPYGECILGAGGYIFNTEAHPIDPAALHCCQRLKEEQWEVEDLMREFYSLKRSRS

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	KFQKNTVSSGPWEPPARPGTLFSPENHDQARERKPAKQKVPLLSCPSQPFTSKLAL LGQVFLDSS
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	EDEM2 ER degradation enhancer, mannosidase alpha-like 2 [Homo sapiens]
Official Symbol	EDEM2
Synonyms	EDEM2; ER degradation enhancer, mannosidase alpha-like 2; C20orf31, C20orf49, chromosome 20 open reading frame 31; ER degradation-enhancing alpha-mannosidase-like 2; bA4204.1; FLJ10783; ER degradation-enhancing-mannosidase-like protein 2; C20orf31; C20orf49;
Gene ID	55741
mRNA Refseq	NM_001145025
Protein Refseq	NP_001138497

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MIM	610302
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UniProt ID	Q9BV94
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