

Recombinant Human EDEM3 293 Cell Lysate

Cat. No. EDEM3-6724HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for ER degradation enhancer, mannosidase alpha-like 3 (EDEM3) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name EDEM3 ER degradation enhancer, mannosidase alpha-like 3 [Homo sapiens]

Official Symbol EDEM3

Synonyms C1orf22

Gene ID 80267

mRNA Refseq NM_025191.3

Protein Refseq NP_079467.3

MIM 610214

UniProt ID Q9BZQ6

Chromosome Location 1q25

Pathway Asparagine N-linked glycosylation, organism-specific biosystem;Calnexin/calreticulin cycle, organism-specific biosystem;ER Quality Control Compartment (ERQC), organism-specific biosystem;Metabolism of proteins, organism-specific biosystem;N-glycan trimming in the ER and Calnexin/Calreticulin cycle, organism-specific biosystem;Post-translational protein modification, organism-specific biosystem;Protein processing in endoplasmic reticulum, organism-specific biosystem;

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Function

calcium ion binding;glycoprotein endo-alpha-1,2-mannosidase activity;mannosyl-oligosaccharide 1,2-alpha-mannosidase activity;

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