

## EDEM2 Protein, Human (HEK293, His)

<b>Cat. No.:</b>	HY-P76897
<b>Synonyms:</b>	ER degradation-enhancing alpha-mannosidase-like protein 2; C20orf31; C20orf49
<b>Species:</b>	Human
<b>Source:</b>	HEK293
<b>Accession:</b>	AAH01371.1 (A22-K492)
<b>Gene ID:</b>	55741
<b>Molecular Weight:</b>	Approximately 50-75 kDa due to the glycosylation

### PROPERTIES

<b>AA Sequence</b>	<pre> A P G P D G S A P D   P A H Y R E R V K A   M F Y H A Y D S Y L   E N A F P F D E L R P L T C D G H D T W   G S F S L T L I D A   L D T L L I L G N V   S E F Q R V V E V L Q D S V D F D I D V   N A S V F E T N I R   V V G G L L S A H L   L S K K A G V E V E A G W P C S G P L L   R M A E E A A R K L   L P A F Q T P T G M   P Y G T V N L L H G V N P G E T P V T C   T A G I G T F I V E   F A T L S S L T G D   P V F E D V A R V A L M R L W E S R S D   I G L V G N H I D V   L T G K W V A Q D A   G I G A G V D S Y F E Y L V K G A I L L   Q D K K L M A M F L   E Y N K A I R N Y T   R F D D W Y L W V Q M Y K G T V S M P V   F Q S L E A Y W P G   L Q S L I G D I D N   A M R T F L N Y Y T V W K Q F G G L P E   F Y N I P Q G Y T V   E K R E G Y P L R P   E L I E S A M Y L Y R A T G D P T L L E   L G R D A V E S I E   K I S K V E C G F A   T I K D L R D H K L D N R M E S F F L A   E T V K Y L Y L L F   D P T N F I H N N G   S T F D T V I T P Y G E C I L G A G G Y   I F N T E A H P I D   P A A L H C C Q R L   K </pre>
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
<b>Endotoxin Level</b>	<1 EU/µg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
<b>Storage &amp; Stability</b>	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

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**Background**

EDEM2 Protein is involved in the endoplasmic reticulum-associated degradation (ERAD) pathway that targets misfolded glycoproteins for degradation in an N-glycan-dependent manner. EDEM2 Protein can initiate ERAD by promoting the first mannose trimming step of ERAD substrates, from Man9GlcNAc2 to Man8GlcNAc2<sup>[1][2][3]</sup>.

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

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