

Endoplasmic reticulum aminopeptidase 1 (Erap1), partial Recombinant Protein | Erap1 recombinant protein

Recombinant Mouse Endoplasmic reticulum aminopeptidase 1 (Erap1), partial

CATALOG # AAA117003	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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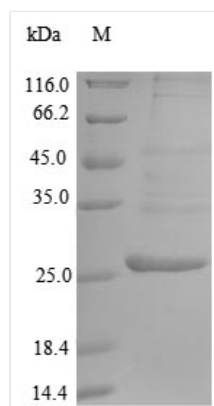
PRODUCT SYNONYMS

Endoplasmic reticulum aminopeptidase 1 (Erap1); partial; Recombinant Mouse Endoplasmic reticulum aminopeptidase 1 (Erap1); Endoplasmic reticulum aminopeptidase 1; EC=3.4.11.-; ARTS-1; Adipocyte-derived leucine aminopeptidase; A-LAP; Aminopeptidase PILS; Puromycin-insensitive leucyl-specific aminopeptidase; PILS-AP; VEGF-induced aminopeptidase; Erap1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	731-930aa; Partial
Sequence	PCVQRAERYF REWKSSNGNM SIPIDVT LAV FAVGAQNTEG WDFLYSKYQS SLSSTEKSQI EFSLCTSKDP EKLQWLLDQS FKGEIITQE FPHILTIGR NPVGYP LAWK FLRENWNKLV QKFELGSSSI AHMVMGTTDQ FSTRARLEEV KGFFSSLKEN GSQLRVQQT IETIEENIRW MDKNFDKIRL WLQKEKPELL
Species	Mus musculus (Mouse)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for Erap1 recombinant protein	Aminopeptidase that plays a central role in peptide trimming, a step required for the generation of most HLA class I-binding peptides. Peptide trimming is essential to customize longer precursor peptides to fit them to the correct length required for presentation on MHC class I molecules. Strongly prefers substrates 9-16 residues long. Rapidly degrades 13-mer to a 9-mer and then stops. Preferentially hydrolyzes the residue Leu and peptides with a hydrophobic C-terminus, while it has weak activity toward peptides with charged C-terminus. May play a role in the inactivation of peptide hormones. May be involved in the regulation of blood pressure through the inactivation of angiotensin II and/or the generation of bradykinin in the kidney (By similarity).
Product Categories/Family for Erap1 recombinant protein	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	13507656
NCBI GeneID	80898
NCBI Accession #	NP_109636.1
NCBI GenBank Nucleotide #	NM_030711.4
UniProt Accession #	Q9EQH2; Q6GTP5; Q9ET63
Molecular Weight	28.3 kDa
NCBI Official Full Name	endoplasmic reticulum aminopeptidase 1
NCBI Official Synonym Full Names	endoplasmic reticulum aminopeptidase 1
NCBI Official Symbol	Erap1
NCBI Official Synonym Symbols	Arts1; ERAAP; PILSA; PILSAP
NCBI Protein Information	endoplasmic reticulum aminopeptidase 1; A-LAP; ARTS-1; PILS-AP; aminopeptidase PILS; VEGF-induced aminopeptidase; adipocyte-derived leucine aminopeptidase; puromycin-insensitive leucyl-specific aminopeptidase; type 1 tumor necrosis factor receptor shedding aminopeptidase regulator
UniProt Protein Name	Endoplasmic reticulum aminopeptidase 1
UniProt Gene Name	Erap1
UniProt Synonym Gene Names	Appils; Arts1; A-LAP; PILS-AP
UniProt Entry Name	ERAP1_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/erap1-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/117003>