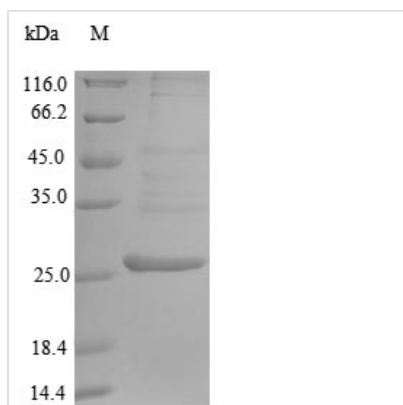




Recombinant Mouse Endoplasmic reticulum aminopeptidase 1 (Erap1),Partial

Product Code	CSB-EP007760MO
Relevance	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).
Abbreviation	Recombinant Mouse Erap1 protein, partial
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q9EQH2
Alias	ARTS-1 Adipocyte-derived leucine aminopeptidase
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	PCVQRAERYFREWKSSNGNMSIPIDVTLAVFAVGAQNTEGWDFLYSKYQSSL SSTEKSQIEFSLCTSKDPEKLQWLLDQSFKEIIKTQEFPHILTLIGRNPVGYPL AWKFLRENWNKLQKFELGSSSIAHMVMGTTDQFSTRARLEEVEKGFSSSLKE NGSQLRCVQQTITETIEENIRWMDKNFDKIRLWLQKEKPELL
Research Area	Immunology
Source	E.coli
Target Names	Erap1
Expression Region	731-930aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged and C-terminal Myc-tagged
Mol. Weight	28.3kDa
Protein Length	Partial
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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