

Active Recombinant Human ERAP2 protein, His-tagged

Cat. No. ERAP2-304H Lot. No. (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human ERAP2 protein(NP_071745.1) (Ala 56-Thr 960) was expressed in HEK293 with a polyhistidine tag at the N-terminus.
Species	Human
Source	HEK293
ProteinLength	56-960 aa
Form	Lyophilized from sterile 12.5mM Tris, 75mM NaCl, pH 7.5, 50% glycerol.
Bio-activity	Measured by its ability to cleave the fluorogenic peptide substrate, Arg-7-amido-4-methylcoumarin (Arg-AMC). The specific activity is >50 pmoles/min/μg.
Molecular Mass	The recombinant human ERAP2 consists of 921 amino acids and predicts a molecular mass of 106 kDa. In SDS-PAGE under reducing conditions, it migrates with the apparent molecular mass of 115-125 kDa due to glycosylation.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Purity	> 98 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	ERAP2 endoplasmic reticulum aminopeptidase 2 [Homo sapiens]
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Official Symbol	ERAP2
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Synonyms	ERAP2; endoplasmic reticulum aminopeptidase 2; L RAP; leukocyte derived arginine aminopeptidase; LRAP; leukocyte-derived arginine aminopeptidase; L-RAP; FLJ23633; FLJ23701; FLJ23807;
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Gene ID	64167
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mRNA Refseq	NM_001130140
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Protein Refseq	NP_001123612
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MIM	609497
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UniProt ID	Q6P179
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