

Active Recombinant Human ERAP2, His tagged

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

SPECIFICATION

Product Overview	Recombinant Human ERAP2 luminal domain (NP_071745.1) (Ala 56-Thr 960), fused with a polyhistidine tag at the N-terminus, was produced in Human Cell.
Species	Human
Source	HEK293
ProteinLength	Ala 56-Thr 960
Form	Lyophilized from sterile 50 mM Tris, pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
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 protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE.
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C

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Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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*]

Official Symbol ERAP2

Synonyms ERAP2; endoplasmic reticulum aminopeptidase 2; L RAP; leukocyte derived arginine aminopeptidase; LRAP; leukocyte-derived arginine aminopeptidase; L-RAP; FLJ23633; FLJ23701; FLJ23807;

Gene ID 64167

mRNA Refseq NM_001130140

Protein Refseq NP_001123612

MIM 609497

UniProt ID Q6P179

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