

Recombinant Full Length Human ERAP2 Protein, GST-tagged

Cat. No. ERAP2-4356HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ERAP2 full-length ORF (AAH17927.1, 1 a.a. - 350 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	350 amino acids
Description	This gene encodes a zinc metalloaminopeptidase of the M1 protease family that resides in the endoplasmic reticulum and functions in N-terminal trimming antigenic epitopes for presentation by major histocompatibility complex (MHC) class I molecules. Certain mutations in this gene are associated with the inflammatory arthritis syndrome ankylosing spondylitis and pre-eclampsia. This gene is located adjacent to a closely related aminopeptidase gene on chromosome 5. [provided by RefSeq, Jul 2016]
Molecular Mass	66.5 kDa
AA Sequence	MFHSSAMVNSHRKPMFNIHRGFYCLTAILPQICICSQFSVPSSYHFTEDPGAFFPVAT NGERFPWQELRLPSVVIPLHYDLFVHPNLTSLDFVASEKIEVLVSNATQFIILHSKDLEI TNATLQSEEDSKYMKPGKELKVLSYPAHEQIALLVPEKLTPhLKYYVAMDFQAKLGD GFEGFYKSTYRTLGGETRILAVTDFEPTQARMAFPCFDEPLFKANFSIKIRRESRHIAL SNMPKVKTIELEGGLLEDHFETTVKMSTYLVAYIVCDFHSLSGFTSSGVKVSIIYASPD KRNQTHYALQASLKLLDFYEKYFDIYYPLSKLGMFKFHIIVFIFAHKTCFDLFPPLSLSM

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
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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