

# Recombinant Full Length Human ERAP2 Protein, GST-tagged

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

## SPECIFICATION

<b>Product Overview</b>	Human ERAP2 full-length ORF ( AAH17927.1, 1 a.a. - 350 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	350 amino acids
<b>Description</b>	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]
<b>Molecular Mass</b>	66.5 kDa
<b>AA Sequence</b>	MFHSSAMVNSHRKPMFNIHRGFYCLTAILPQICICSQFSVPSSYHFTEDPGAFPVAT NGERFPWQELRLPSVVIPLHYDLFVHPNLTSLDFVASEKIEVLVSNATQFIILHSKDLEI TNATLQSEEDSKYMKPGKELKVLSPYPAHEQIALLVPEKLTPHLKYYVAMDFQAKLGD GFEGFYKSTYRTLGGETRILAVTDFEPTQARMAFPCFDEPLFKANFSIKIRRESRHIAL SNMPKVKTIELEGGLLEDHFETTVMSTYLVAYIVCDFHSLSGFTSSGVKVSIIYASPD KRNQTHYALQASLKLDFYEKYFDIYYPLSKLGMFKFHIIVFIFAHKTCFDLPLSLSM

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

## GENE INFORMATION

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

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