

Recombinant Human ARTS-1 protein, GST-tagged

Cat. No. ARTS-1-873H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ARTS-1 partial ORF (AAH30775, 832 a.a. - 941 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
ProteinLength	832-941 a.a.
Description	The protein encoded by this gene is an aminopeptidase involved in trimming HLA class I-binding precursors so that they can be presented on MHC class I molecules. The encoded protein acts as a monomer or as a heterodimer with ERAP2. This protein may also be involved in blood pressure regulation by inactivation of angiotensin II. Three transcript variants encoding two different isoforms have been found for this gene.[provided by RefSeq, Oct 2010]
Molecular Mass	37.73 kDa
AA Sequence	FPQILTLIGRNPVGYPYPLAWQFLRKNWNKLVQKFELGSSSIAHMMVMGTTNQFSTRTRL EEVKGFFSSLKENGSQLRCVQQTETIEENIGWMDKNFDKIRVWLQSEKLERM
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.

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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 ERAP1 endoplasmic reticulum aminopeptidase 1 [Homo sapiens]

Official Symbol ERAP1

Synonyms

ERAP1; endoplasmic reticulum aminopeptidase 1; A LAP; adipocyte derived leucine aminopeptidase; aminopeptidase regulator of TNFR1 shedding; ARTS 1; ERAAP1; KIAA0525; PILS AP; puromycin insensitive leucyl specific aminopeptidase; aminopeptidase PILS; adipocyte-derived leucine aminopeptidase; puromycin-insensitive leucyl-specific aminopeptidase; endoplasmic reticulum aminopeptidase associated with antigen processing; type 1 tumor necrosis factor receptor shedding aminopeptidase regulator; ALAP; A-LAP; ARTS1; ERAAP; APPILS; ARTS-1; PILSAP; PILS-AP;

Gene ID 51752

mRNA Refseq NM_001040458

Protein Refseq NP_001035548

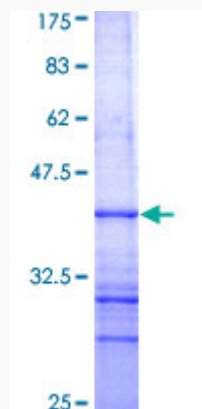
MIM 606832

UniProt ID Q9NZ08

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12.5% SDS-PAGE Stained with Coomassie Blue.

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