



ERAP1 blocking peptide (CDBP5418)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen 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]
Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 µg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

GENE INFORMATION

Gene Name	ERAP1 endoplasmic reticulum aminopeptidase 1 [Homo sapiens (human)]
Official Symbol	ERAP1
Synonyms	ERAP1; endoplasmic reticulum aminopeptidase 1; ALAP; A-LAP; ARTS1; ERAAP; APPILS; ARTS-1; ERAAP1; PILSAP; PILS-AP; aminopeptidase PILS; adipocyte-derived leucine aminopeptidase; aminopeptidase regulator of TNFR1 shedding; puromycin-insensitive leucyl-specific aminopeptidase; endoplasmic reticulum aminopeptidase associated with antigen processing; type 1 tumor necrosis factor receptor shedding aminopeptidase regulator

Entrez Gene ID	51752
mRNA Refseq	NM_001040458
Protein Refseq	NP_001035548
UniProt ID	Q9NZ08
Pathway	Adaptive Immune System; Antigen Presentation: Folding; Class I MHC mediated antigen processing and presentation; Immune System
Function	aminopeptidase activity; interleukin-1, Type II receptor binding; interleukin-6 receptor binding; metalloexopeptidase activity; protein binding; zinc ion binding
