Datasheet for ABIN7195485

ERAP2 Protein (His tag)

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Overview

Quantity:	50 µg
Target:	ERAP2
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This ERAP2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human LRAP/ERAP2 Protein (His Tag)(Active)
Sequence:	Ala 56-Thr 960
Characteristics:	A DNA sequence encoding the lumenal domain of human ERAP2 (NP_071745.1) (Ala 56-Thr 960) was expressed with a polyhistidine tag at the N-terminus.
Purity:	> 98 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	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.

Target Details

Target:	ERAP2

Target Details

Alternative Name:	LRAP/ERAP2 (ERAP2 Products)
Background:	Background: Leukocyte-derived arginine aminopeptidase (LRAP), also known as endoplasmic reticulum-aminopeptidase 2 (ERAP2), is the second identified aminopeptidase localized in the in the lumenal side of endoplasmic reticulum (ER) processing antigenic peptides presented to major histocompatibility complex (MHC) class I molecules. It is a 960-amino acid protein with significant homology to placental leucine aminopeptidase and adipocyte-derived leucine aminopeptidase. LRAP preferentially hydrolyzes the basic residues Arg and Lys, and contains the HEXXH(X)18E zinc-binding motif, which is the characteristic of the M1 family of zinc metallopeptidases which also includes PILS/ARTS1/ERAP1 and LNPEP/PLAP. Induced by interferon-gamma, LRAP is able to trim various MHC class I antigenic peptide precursors. Synonym: FLJ23633,FLJ23701,FLJ23807,L-RAP,LRAP,LRAP.ERAP2
Molecular Weight:	106 kDa
NCBI Accession:	NP_071745

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile 12.5 mM Tris, 75 mM NaCl, pH 7.5, 50 % glycercol
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.