

Datasheet for ABIN7553856  
**ERAP2 Protein (AA 1-960) (His tag)**



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## Overview

Quantity:	1 mg
Target:	ERAP2
Protein Characteristics:	AA 1-960
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ERAP2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat ERAP2 Protein expressed in mammalian cells.
Sequence:	MFHSSAMVNS HRKPMFNIHR GFYCLTAILP QICICSQFSV PSSYHFTEDP GAFPVATNGE RFPWQELRLP SWVIPLHYDL FVHPNLTS LD FVASEKIEVL VSNATQFIIL HSKDLEITNA TLQSEEDSRY MKPGKELKVL SYPAHEQIAL LVPEKLTPHL KYVAMDFQA KLGDGFEGFY KSTYRTLGG E TRILAVTDFE PTQARMAFPC FDEPLFKANF SIKIRRESRH IALSNMPKVK TIELEGLLE DHFETTVKMS TYLVAYIVCD FHSLSGFTSS GVKVSIYASP DKRNQTHYAL QASLKLLDFY EKYFDIYYPL SKLDLIAIPD FAPGAMENWG LITYRETSLL FDPKTSSASD KLWVTRVIAH ELAQWFGNL VTMEWWNDIW LKEGFAKYME LIAVNATYPE LQFDDYFLNV CFEVITKDSL NSSRPISKPA ETPTQIQEMF DEVSYNKGAC ILNMLKDFLG EEKFKGIIQ YLKKFSYRNA KNDDLWSSLS NSCLESDFTS GGVCHSDPKM TSNMLAFLGE NAEVKEMMTT WTLQKGIPLL VVKQDGC SLR LQQRFLQGV FQEDPEWRAL QERYLWHIPL TYSTSSSNVI HRHILKSKTD TLDLPEKTSW VKFNVD SNGY YIVHYEGHW DQLITQLNQN HTLLRPKDRV

## Product Details

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GLIHDVFQLV GAGRLTLDKA LDMTYYLQHE TSSPALLEGL SYLESFYHMM DRRNISDISE  
NLKRYLLQYF KPVIDRQSW S DKGSVWDRML RSALLKLACD LNHAPCIQKA AELFSQWMES  
SGKLNIP TDV LKIVYSVGAQ TTAGWNYLLE QYELSMSSAE QNKILYALST SKHQEKLLKL  
IELGMEGKVI KTQNLAALLH AIARRPKGQQ LAWDFVRENW THLLKKFDLG SYDIRMIISG  
TTAHFSSKDK LQEVKLFES LEAQGSHLDI FQTVLETITK NIKWLEKNLP TLRTWLMVNT

**Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

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### Characteristics:

#### Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

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### Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

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### Grade:

custom-made

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## Target Details

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### Target:

ERAP2

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### Alternative Name:

ERAP2 ([ERAP2 Products](#))

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### Background:

Endoplasmic reticulum aminopeptidase 2 (EC 3.4.11.-) (Leukocyte-derived arginine aminopeptidase) (L-RAP),FUNCTION: Aminopeptidase that plays a central role in peptide trimming, a step required for the generation of most HLA class I-binding peptides. Peptide trimming is essential to customize longer precursor peptides to fit them to the correct length required for presentation on MHC class I molecules. Preferentially hydrolyzes the basic

## Target Details

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residues Arg and Lys. {ECO:0000269|PubMed:12799365, ECO:0000269|PubMed:15908954, ECO:0000269|PubMed:16286653}.

Molecular Weight: 110.5 kDa

UniProt: [Q6P179](#)

## Application Details

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Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months