Recombinant Human ERAP1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ERAP1-4254H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ERAP1 MS Standard C13 and N15-labeled recombinant protein (NP_057526) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	107.7 kDa
AA Sequence	MVFLPLKWSLATMSFLLSSLLALLTVSTPSWCQSTEASPKRSDGTPFPWNKIRLPEY VIPVHYDLLIHANLTTLTFWGTTKVEITASQPTSTIILHSHHLQISRATLRKGAGERLSE EPLQVLEHPRQEQIALLAPEPLLVGLPYTVVIHYAGNLSETFHGFYKSTYRTKEGELRI LASTQFEPTAARMAFPCFDEPAFKASFSIKIRREPRHLAISNMPLVKSVTVAEGLIEDH FDVTVKMSTYLVAFIISDFESVSKITKSGVKVSVYAVPDKINQADYALDAAVTLLEFYE DYFSIPYPLPKQDLAAIPDFQSGAMENWGLTTYRESALLFDAEKSSASSKLGITMTVA HELAHQWFGNLVTMEWWNDLWLNEGFAKFMEFVSVSVTHPELKVGDYFFGKCFD

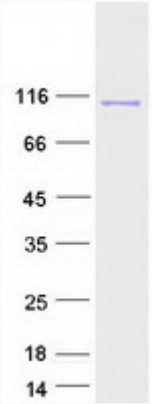
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	AMEVDALNSSHPVSTPVENPAQIREMFDDVSYDKGACILNMLREYLSADAFKSGIVQ YLQKHSYKNTKNEDLWDSMASICPTDGVKGMDGFCSRSQHSSSSSHWHQEGVDV KTMMNTWTLQKGFPLITITVRGRNVHMKQEHYMKGSDGAPDTGYLWHVPLTFITSK SDMVHRFLLKTKTDVLILPEEVEWIKFNVGMNGYYIVHYEDDGWDSLTGLLKGTHTA VSSNDRASLINNAFQLVSIGKLSIEKALDLSLYLKHETEIMPVFQGLNELIPMYKLMEK RDMNEVETQFKAFLIRLLRDLIDKQTWTDEGSVSERMLRSQLLLLACVHNYQPCVQ RAEGYFRKWKESNGNLSLPVDVTLAVFAVGAQSTEGWDFLYSKYQFSLSSTEKSQI EFALCRTQNKEKLQWLLDESFKGDKIKTQEFPQILTLIGRNPVGYPLAWQFLRKNWN KLVQKFELGSSSIAHMVMGTTNQFSTRTRLEEVKGFFSSLKENGSQLRCVQQTIETI EENIGWMDKNFDKIRVWLQSEKLEHDPEADATGTRTRPLEQKLISEEDLAANDILDY KDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	ERAP1 endoplasmic reticulum aminopeptidase 1 [Homo sapiens (human)]
Official Symbol	ERAP1
Synonyms	ERAP1; endoplasmic reticulum aminopeptidase 1; A LAP; adipocyte derived leucine aminopeptidase; aminopeptidase regulator of TNFR1 shedding; ARTS 1; ERAAP1;

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	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_016442
Protein Refseq	NP_057526
MIM	606832
UniProt ID	Q9NZ08
SDS-PAGE	

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