

Product datasheet for PH305249

ARTS1 (ERAP1) (NM_001040458) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ERAP1 MS Standard C13 and N15-labeled recombinant protein (NP_001035548)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205249
Predicted MW:	107.2 kDa
Protein Sequence:	>RC205249 protein sequence Red=Cloning site Green=Tags(s)

MVFLPLKWSLATMSFLLSSLLALLTVSTPSWCQSTEASPKRSDGTPFPWNKIRLPEYVIVPHYDILLIHAN
LTTLTFWGTTKVEITASQPTSTIILHSHHLQISRATLRKGAGERLSEEPLQVLEHPRQEIQIALLAPEPLL
VGLPYTVVIHYAGNLSETFHGFYKSTYRKEGELRILASTQFEPTAARMAFPCFDEPAFKASFSIKIRRE
PRHLAISNMLPKSVTVAEGLIEDHFDVTVKMSTYLVAFIISDFESVSKITKSGVKVSVYAVPDKINQAD
YALDAAVTLLEFYEDYFSIPYPLPKQDLAAIPDFQSGAMENWGLTTYRESALLFDAEKSSASSKLGITMT
VAHELAHQWFGNLVTMEWNDLWLNELGFAKMEFVSVSVTHPELVKGDYFFGKCFDAMEVDALNSSHPVS
TPVENPAQIREMFDVSYDKGACILNMLREYLSADAFKSGIVQYLQKHSYKNTKNEGLWDSMASICPTDG
VKGMDGFCRSRQHSSSSSHHWQEGVDVKTMMNTWTLQKGFPLITITVRGRNVHMKQEHYMKGSDGAPDTG
YLWHVPLTFITSKSDMVHRFLKTKTDVILPEEVEWIKFNVGMNGYIVHYEDDGDWDLTGLLKGTHTA
VSSNDRASLINNAFQLVSIKLSIEKALDLSLYLKHETEIMPVFQGLNELIPMYKLMKMRDMNEVETQFK
AFLIRLLRDLIDKQWTWDEGSVSRMLRSQLLLLACVHNYQPCVQRAEGYFRKWKESNGNLSLPVDVTLA
VFAVGAQSTEGWDFLYSKYQFSLSSTESQIEFALCRTCQNKELQWLLDESFKGDKIKTQEFQIILTLIG
RNPVGYPLAWQFLRKNWNKLVQKFELGSSSIAHMVMGTTNQFSTRTRLEEVKGFSSSLKENGSQLRCVQQ
TIETIEENIGWMDKNFDKIRVWLQSEKLERM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

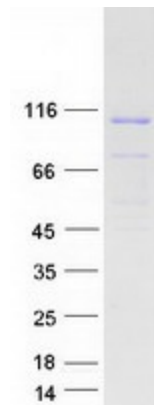
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.



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RefSeq:	NP_001035548
RefSeq Size:	5085
RefSeq ORF:	2823
Synonyms:	A-LAP; ALAP; APPILS; ARTS-1; ARTS1; ERAAP; ERAAP1; PILS-AP; PILSAP
Locus ID:	51752
UniProt ID:	Q9NZ08
Cytogenetics:	5q15
Summary:	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]
Protein Families:	Druggable Genome, Protease, Secreted Protein

Product images:



Coomassie blue staining of purified ERAP1 protein (Cat# [TP305249]). The protein was produced from HEK293T cells transfected with ERAP1 cDNA clone (Cat# [RC205249]) using MegaTran 2.0 (Cat# [TT210002]).