

Product datasheet for PH317792

NAALADL1 (NM_005468) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	NAALADL1 MS Standard C13 and N15-labeled recombinant protein (NP_005459)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC217792
Predicted MW:	80.4 kDa
Protein Sequence:	>RC217792 representing NM_005468 Red=Cloning site Green=Tags(s)

MQWTKVLGLGLGAAALLGLGIILGHFAIPKKANSLAPQDLLEILETVMGQLDAHRIRENLSREPHL
ASSPRDEDLVQLLLQRWKDPESGLDSAEASTYEVLLSFPSQEQPNVVDIVGPTGGIIHSCHRTENVTGE
QGGPDVVQPYAAYAPSGTPQGGLLVYANRGAEEDFKELQTQGIKLEGTIALTRYGGVGRGAKAVNAKHGV
AGVLVYTDPADINDGLSSPDETFPNSWYLPSPGVERGSYYEYFGDPLTPYLPVPSSFRVDLANVSGFPP
IPTQPIGFQDARDLLCNLNGTLAPATWQGALGCHYRLGPGFRPDGDFPADSQVNVSVYNRLELRNSSNVL
GIIRGAVEPDRYVLYGNHRDSWVHGAVDPSSGTAVLLELSRVLGTLLKKGTWRPRRSIVFASWGAEFGL
IGSTEFTEEFFNKLQERTVAYINVDISVFANATLRVQGTTPVQSVVFSATKEIRSPGPDLSIYDNWIRY
FNRSSPVYGLVPSLGSAGSDYAPFVHFLGISSMDIAYTYDRSKTSARIYPTYHTAFDTFDYVDKFLDP
GFSSHQAVARTAGSVILRLSDSFFLPLKVSDYSETLRSFLQAAQQDLGALLEQHSISLGPLVTAVEKFEA
EAAALGQRISTLQKQSPDPLQVRMLNDQLMLLERTFLNPRAFPEERYSHVLWAPRTGSVVTFPGLSNAC
SRARDTASGSEAWAEVQRQLSIVVTALEGAAATLRPVADL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

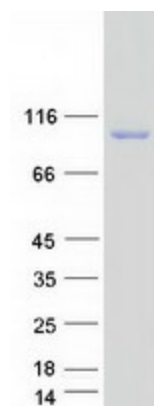
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_005459</u>



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RefSeq Size:	2703
RefSeq ORF:	2220
Synonyms:	I100; NAALADASEL
Locus ID:	10004
UniProt ID:	<u>Q9UQQ1</u>
Cytogenetics:	11q13.1
Summary:	Aminopeptidase with broad substrate specificity. Has lower activity with substrates that have Asp or Glu in the P2' position, or Pro in the P3' position. Lacks activity with substrates that have both Pro in the P3' position and Asp or Glu in the P2' position (PubMed:25752612). Lacks carboxypeptidase activity. Lacks dipeptidyl-peptidase IV type activity (PubMed:25752612). [UniProtKB/Swiss-Prot Function]
Protein Families:	Druggable Genome, Transmembrane

Product images:



Coomassie blue staining of purified NAALADL1 protein (Cat# [TP317792]). The protein was produced from HEK293T cells transfected with NAALADL1 cDNA clone (Cat# [RC217792]) using MegaTran 2.0 (Cat# [TT210002]).