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Product datasheet for PH325133

A2LD1 (GGACT) (NM_033110) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	A2LD1 MS Standard C13 and N15-labeled recombinant protein (NP_149101)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC225133
Predicted MW:	17.1 kDa
Protein Sequence:	>RC225133 representing NM_033110 Red=Cloning site Green=Tags(s) MALVFVYGTLKRGQPNHRVLRDGAHGSAAFRARGRTLEPYPLVIAGEHNIPWLLHLPGSGRLVEGEVYAV DERMLRFLDDFESCPALYQRTVLRVQLLEDRAPGAEEPPAPTAVQCFVYSRATFPPEWAQLPHHDSYDSE GPHGLRYNPRENR 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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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:	NP_149101
RefSeq ORF:	459
Synonyms:	A2LD1
Locus ID:	87769
UniProt ID:	Q9BVM4
Cytogenetics:	13q32.3

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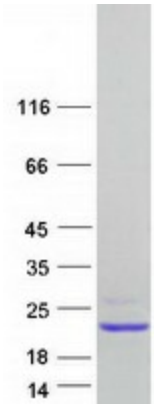
Summary: The protein encoded by this gene aids in the proteolytic degradation of crosslinked fibrin by breaking down isodipeptide L-gamma-glutamyl-L-epsilon-lysine, a byproduct of fibrin degradation. The reaction catalyzed by the encoded gamma-glutamylaminecyclotransferase produces 5-oxo-L-proline and a free alkylamine. Two transcript variants encoding the same protein have been found for this gene.[provided by RefSeq, Aug 2010]

Product images:



Coomassie blue staining of purified GGACT protein (Cat# [TP325133]). The protein was produced from HEK293T cells transfected with GGACT cDNA clone (Cat# [RC225133]) using MegaTran 2.0 (Cat# [TT210002]).