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Product datasheet for PH300115

ADI1 (NM_018269) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ADI1 MS Standard C13 and N15-labeled recombinant protein (NP_060739)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200115
Predicted MW:	21.5 kDa
Protein Sequence:	>RC200115 protein sequence Red=Cloning site Green=Tags(s) MVQAWYMDDAPGDPRQPHRPDPGRPVGLEQLRRLGVLYWKLDADKYENDPELEKIRRERNYSWMDIITIC KDKLPNYEEKIKMFYEEHLHLDDEIRYILDGSGYFDVRDKEDQWIRIFMEKGDMVTLPAGIYHRFTVDEK NYTKAMRLFVGEPVWTAYNRPADHFEARGQYVKFLAQTA 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_060739
RefSeq Size:	1685
RefSeq ORF:	537
Synonyms:	APL1; ARD; Fe-ARD; HMFT1638; MTCBP1; mtnD; Ni-ARD; SIPL
Locus ID:	55256
UniProt ID:	Q9BV57

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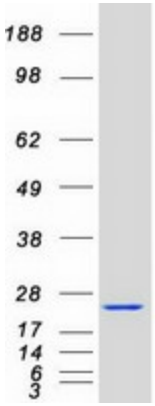
Cytogenetics: 2p25.3

Summary: This gene encodes an enzyme that belongs to the aci-reductone dioxygenase family of metal-binding enzymes, which are involved in methionine salvage. This enzyme may regulate mRNA processing in the nucleus, and may carry out different functions depending on its localization. Related pseudogenes have been defined on chromosomes 8 and 20. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Apr 2015]

Protein Pathways: Cysteine and methionine metabolism, Metabolic pathways

Product images:



Coomassie blue staining of purified ADI1 protein (Cat# [TP300115]). The protein was produced from HEK293T cells transfected with ADI1 cDNA clone (Cat# [RC200115]) using MegaTran 2.0 (Cat# [TT210002]).