

Product datasheet for **TP300115**

AD11 (NM_018269) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human acireductone dioxygenase 1 (AD11), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200115 protein sequence Red =Cloning site Green =Tags(s)
	 MVQAWYMDDAPGDPRQPHRPDPGRPVGLEQLRRLGVLYWKLDADKYENDPELEKIRRERNYSWMDIITIC KDKLPNYEEKIKMFYEEHLHLDDEIRYILDGSGYFDVRDKEDQWIRIFMEKGMVTLPAGIYHRFTVDEK NYTKAMRLFVGEVWVTAYNRPADHFEARGQYVKFLAQT TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	21.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_060739
Locus ID:	55256
UniProt ID:	Q9BV57
RefSeq Size:	1685



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Cytogenetics: 2p25.3

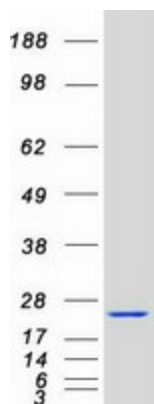
RefSeq ORF: 537

Synonyms: APL1; ARD; Fe-ARD; HMFT1638; MTCBP1; mtnD; Ni-ARD; SIPL

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]).