

Product datasheet for **TP302372M**

ALDH16A1 (NM_153329) Human Recombinant Protein

Product data:

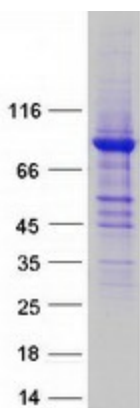
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human aldehyde dehydrogenase 16 family, member A1 (ALDH16A1), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC202372 protein sequence Red =Cloning site Green =Tags(s)
	<p>MAATRAGPRAREIFTSLEYGPVPESHACALAWLDTQDRCLGHYVNGKWLKPEHRNSVPCQDPITGENLAS CLQAQAEVAAAEEAARMAFKGWSAHPGVRAQHLTRLAEVIQKHQRLWTLESVLTGRAVREVRDGDVQ LAQQLLHYHAIQASTQEEALAGWEPMGVIGLILPPTFSFLEMMWRICPALAVGCTVVALVPPASPAPLLL AQLAGELGPFPGILNVVSGPASLVPILASQPGIRKVAFCGAPEEGRALRRSLAGECAELGLALGTESLLL LTDADVDSAVEGWDAAWSDRGPGGLRLLIQESVWDEAMRRLQERMGRRLRSGRGLDGAVDMGARGAAAC DLVQRFVREAQSQAQVFQAGDVPSEPFYPPPTLVSNLPPASPCAQVEVPWPVVVSPFRTAKEALLVAN GTPRGGSSASVWSERLGQALELGYGLQVGTWINAHGLRDPVPTGGCKESGCSWHGGPDGLYEYLRPSGT PARLSCLSKNLNYDTFGLAVPSTLPAGPEIGPSPAPPYGLFVGGRFQAPGARSSRPIRDSSGNLHGYYAE GGAKDIRGAVEAAHQAFPGWAGQSPGARAALLWALAAALERRKSTLASRLERQGAELKAAEALEVELSARR LRAWGARVQAQGHTLQVAGLRGPVLRRLREPLGVLAVVCPDEWPLLAFFVSLAPALAYGNTVMMVPSAACP LLALEVCQDMATVFPAGLANVVTGDRDHLTRCLALHQDVQAMWYFGSAQGSQFVEWASAGNLKPVWASRG CPRAWDQEAEGAGPELGLRVARTKALWLPMD</p> <p>TRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	84.9 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.



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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_699160
Locus ID:	126133
UniProt ID:	Q8IZ83
RefSeq Size:	3119
Cytogenetics:	19q13.33
RefSeq ORF:	2406
Summary:	This gene encodes a member of the aldehyde dehydrogenase superfamily. The family members act on aldehyde substrates and use nicotinamide adenine dinucleotide phosphate (NADP) as a cofactor. This gene is conserved in chimpanzee, dog, cow, mouse, rat, and zebrafish. The protein encoded by this gene interacts with maspardin, a protein that when truncated is responsible for Mast syndrome. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2010]
Protein Families:	Druggable Genome

Product images:



Coomassie blue staining of purified ALDH16A1 protein (Cat# [TP302372]). The protein was produced from HEK293T cells transfected with ALDH16A1 cDNA clone (Cat# [RC202372]) using MegaTran 2.0 (Cat# [TT210002]).