

Product datasheet for **TP300302L**

AKR1A1 (NM_006066) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human aldo-keto reductase family 1, member A1 (aldehyde reductase) (AKR1A1), transcript variant 1, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200302 protein sequence Red =Cloning site Green =Tags(s)

MAASCVLLHTGQKMPLIGLGTWKSEPGQVKA AVKYALSVGYRHIDCAA IYGNPEIGEALKEDVGP GKAV
PREELFVTSKLVNTKHHPEDVEPALRKT LADLQLEYLDLYLMHWPYAFERGDNPFPKNADGTIC YDSTHY
KETWKALEALVAKGLVQALGLSNFNSRQ ID DILSVASVRPAVLQVECHPYLAQNELIAHCQARGLEVTAY
SPLGSSDRAWRPDEPVLLEEPVVLALAEKYGRSPAQILLRWQVQRKVICIPKSITPSRILQNIKVFDF T
FSPEEMKQLNALNKNWRYIVPMLTVDGKR VPRDAGHPLYPFNDPY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	36.4 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:	<u>NP_006057</u>
Locus ID:	10327



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UniProt ID: [P14550](#), [V9HWI0](#)

RefSeq Size: 1597

Cytogenetics: 1p34.1

RefSeq ORF: 975

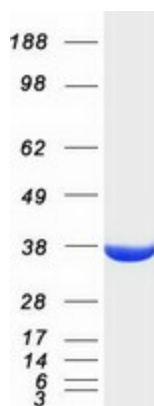
Synonyms: ALDR1; ALR; ARM; DD3; HEL-S-6

Summary: This gene encodes a member of the aldo/keto reductase superfamily, which consists of more than 40 known enzymes and proteins. This member, also known as aldehyde reductase, is involved in the reduction of biogenic and xenobiotic aldehydes and is present in virtually every tissue. Multiple alternatively spliced transcript variants of this gene exist, all encoding the same protein. [provided by RefSeq, Jan 2011]

Protein Families: Druggable Genome

Protein Pathways: Glycerolipid metabolism, Glycolysis / Gluconeogenesis, Metabolic pathways

Product images:



Coomassie blue staining of purified AKR1A1 protein (Cat# [TP300302]). The protein was produced from HEK293T cells transfected with AKR1A1 cDNA clone (Cat# [RC200302]) using MegaTran 2.0 (Cat# [TT210002]).