

# Recombinant Human AKR1A1 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** AKR1A1-5474H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	AKR1A1 MS Standard C13 and N15-labeled recombinant protein (NP_697021) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	36.6 kDa
<b>AA Sequence</b>	MAASCVLLHTGQKMPLIGLGTWKSEPGQVKA AVKYALSVGYRHIDCAA IYGNEPEIG EALKEDVGP GKAVPREELFVTSK LWN TKHHPEDVEPALRKT LADLQLEYLDLYLMH WPYAFERGDNPFPKNADGTICYDSTHYKETWKALEALVAKGLVQALGLSNFNSRQI DDILSVASVRPAVLQVECHPYLAQNELIAHCQARGLEVTAYSPLGSSDRAW RDPDE PVLLEEPVVLALAEKYGRSPAQILLRWQVQRKVICIPKSITPSRILQNIKVDFDFTFSPEE MKQLNALNKNWRYIVPMLTVDGKR VPRDAGHPLYPFNDPYTRTRPLEQKLISEEDL AANDILDYKDDDDKV
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining

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<b>Stability</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>Storage</b>	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
<b>Concentration</b>	50 µg/mL as determined by BCA
<b>Storage Buffer</b>	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

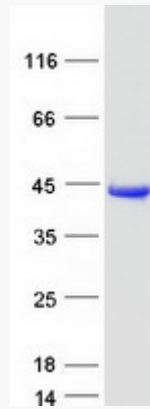
<b>Gene Name</b>	<a href="#">AKR1A1 aldo-keto reductase family 1 member A1 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	<a href="#">AKR1A1</a>
<b>Synonyms</b>	AKR1A1; aldo-keto reductase family 1, member A1 (aldehyde reductase); alcohol dehydrogenase [NADP(+)]; ALR; DD3; dihydrodiol dehydrogenase 3; aldehyde reductase; alcohol dehydrogenase; aldo-keto reductase family 1 member A1; ARM; ALDR1; MGC1380; MGC12529;
<b>Gene ID</b>	<a href="#">10327</a>
<b>mRNA Refseq</b>	<a href="#">NM_153326</a>
<b>Protein Refseq</b>	<a href="#">NP_697021</a>
<b>MIM</b>	<a href="#">103830</a>
<b>UniProt ID</b>	<a href="#">P14550</a>

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**SDS-PAGE**



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