

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

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

SPECIFICATION

Product Overview	AKR1A1 MS Standard C13 and N15-labeled recombinant protein (NP_697021) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	36.6 kDa
AA Sequence	MAASCVLLHTGQKMPLIGLGTWKSEPGQVKA AVKYALSVGYRHIDCAA IYGNEPEIG EALKEDVGPGKAVPREELFVTSKLWNTKHH PEDVEPALRKTLADLQLEYLDLYLMH WPYAFERGDNPFPKNADGTICYDSTHYKETWKALEALVAKGLVQALGLSNFNSRQI DDILSVASVRPAVLQVECHPYLAQNELIAHCQARGLEVTAYSPLGSSDRAWRPDE PVLLEEPVVLALAEKYGRSPAQILLRWQVQRKVICIPKSITPSRILQNIKVFDFTFSP MKQLNALNKNWRYIVPMLTVDGKRVRDAGHPLYPFNDPYTRTRPLEQKLISEEDL AANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

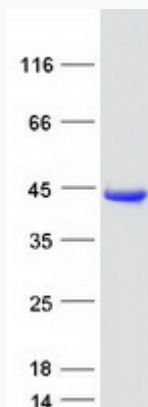
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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
GENE INFORMATION	
Gene Name	AKR1A1 aldo-keto reductase family 1 member A1 [Homo sapiens (human)]
Official Symbol	AKR1A1
Synonyms	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;
Gene ID	10327
mRNA Refseq	NM_153326
Protein Refseq	NP_697021
MIM	103830
UniProt ID	P14550

SDS-PAGE



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