

Recombinant Full Length Human AKR1A1 Protein, GST-tagged

Cat. No. AKR1A1-1360HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human AKR1A1 full-length ORF (AAH00670, 1 a.a. - 325 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
Protein Length	325 amino acids
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. [provided by RefSeq, Jan 2011]
Molecular Mass	61.49 kDa
AA Sequence	MAASCVLLHT GQKMPILIGL TWKSEPGQVK AAVKYALSVG YRHIDCAAIY GNEPEIGEAL KEDVGPGKAV PREELFVTSK LWNTKHHPED VEPALRKTLA DLQLEYLDLY LMHWPYAFER GDNPPFPKNAD GTICYDSTHY KETWKALEAL VAKGLVQALG LSNFNRSRQID DILSVASVRP AVLQVECHPY LAQNELIAHC QARGLEVTAY SPLGSSDRAW RDPDEPVILLE EPVVLALAEK YGRSPAQILL RWQVQRKVIC IPKSITPSRI LQNIKVFDFD FSPEEMKQLN ALNKNWRYIV PMLTVDGKRV PRDAGHPLYP FNDPY

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Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	AKR1A1 aldo-keto reductase family 1, member A1 (aldehyde reductase) [Homo sapiens]
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_001202414
Protein Refseq	NP_001189343
MIM	103830
UniProt ID	P14550

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