

Recombinant Full Length Human ALDH16A1 Protein, GST-tagged

Cat. No. ALDH16A1-1398HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ALDH16A1 full-length ORF (NP_699160.1, 1 a.a. - 802 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	802 amino acids
Description	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]
Molecular Mass	111.5 kDa
AA Sequence	MAATRAGPRA REIFTSLEYG PVPESHACAL AWLDTQDRCL GHYVNGKWLK PEHRNSVPCQ DPITGENLAS CLQAQAEDVA AAVEAARMAF KGWSAHPGVV RAQHLTRLAE VIQKHQRLLW TLESLVTGRA VREVRDGDVQ LAQQLLHYHA IQASTQEEAL AGWEPMGVIG LILPPTFSFL EMMWRICPAL AVGCTVVALV PPASPAPLLL AQLAGELGPF PGILNVVSGP ASLVPILASQ PGIRKVAFCG

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APEEGRALRR SLAGECAELG LALGTESLLL LTDTADVDSA VEGVDDAAWS
 DRGPGGLRLL IQESVWDEAM RRLQERMGRL RSGRGLDGAV DMGARGAAAC
 DLVQRFVREA QSQGAQVFQA GDVPSEPFY PPTLVSNLPP ASPCAQVEVP
 WPVVVASPFR TAKEALLVAN GTPRGGASV WSERLGQALE LGYGLQVGT
 WINAHGLRDP SVPTGGCKES GCSWHGGPDG LYEYLRPSGT PARLSCLSKN
 LNYDTFGLAV PSTLPAGPEI GPSPAPPYGL FVGGRFQAPG ARSSRPIDS
 SGNLHGYVAE GGAKDIRGAV EAAHQAFPGW AGQSPGARAA LLWALAAALE
 RRKSTLASRL ERQGAELKAA EAEVELSARR LRAWGARVQA QGHTLQVAGL
 RGPVLRLEP LGVLAVVCPD EWPLAFVSL LAPALAYGNT VVMVPSAACP
 LLALEVCQDM ATVFAPGLAN VVTGDRDHLT RCLALHQDVQ AMWYFGSAQG
 SQFVEWASAG NLKPVWASRG CPRAWQDEAE GAGPELGLRV ARTKALWLPM GD

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

ALDH16A1 aldehyde dehydrogenase 16 family, member A1 [Homo sapiens]

Official Symbol

ALDH16A1

Synonyms

ALDH16A1; aldehyde dehydrogenase 16 family, member A1; aldehyde dehydrogenase family 16 member A1; MGC10204

Gene ID

126133

mRNA Refseq

NM_001145396

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Protein Refseq	NP_001138868
MIM	613358
UniProt ID	Q8IZ83

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