

Recombinant Human ALDH16A1 Protein, GST-tagged

Cat. No. ALDH16A1-434H **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	Wheat Germ
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	MAATRAGPRAREIFTSLEYGPVPESHACALAWLDTQDRCLGHYVNGKWLKPEHRN SVPCQDPITGENLASCLQAQAEDVAAAVEAARMAFKGWSAHPGVVRAQHLTRLAE VIQKHQRLLWTLESLVTGRAVREVRDGDVQLAQQLLHYHAIQASTQEEALAGWEPM GVIGLILPPTFSFLEMMWRICPALAVGCTVVALVPPASPAPLLLAQLAGELGPFPGLN VVSGPASLVPILASQPGIRKVAFCGAPEEGRALRRSLAGECAELGLALGTESLLLLTD TADVDSAVEGVVDAAWSDRGPGGLRLLIQESVWDEAMRRLQERMGRRLRSGRGLD GAVDMGARGAAACDLVQRFRVREAQSQGAQVFQAGDVPSERPFPPTLVSNLPPAS

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PCAQVEVPWPVVVASPFRTAKEALLVANGTPRGGSASVWSERLGQALELGYGLQV
 GTVWINAHGLRDPSVPTGGCKESGCSWHGGPDGLYEYLRPSGTPARLSCLSKNLN
 YDTFGLAVPSTLPAGPEIGPSPAPPYGLFVGGRFQAPGARSSRPIRDSSGNLHGYV
 AEGGAKDIRGAVEAAHQAFPGWAGQSPGARAALLWALAAALERRKSTLASRLERQ
 GAELKAAEALEVELSARRLRAWGARVQAQGHTLQVAGLRGPVLRRLREPLGVLAVVC
 PDEWPLLAFFVLLAPALAYGNTVVMVPSAACPLLALEVCQDMATVFPAGLANVVTG
 DRDHLTRCLALHQDVQAMWYFGSAQGSQFVEWASAGNLKPVWASRGCPRAWQDQ
 EAEGAGPELGLRVARTKALWLPMGD

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
Antibody Production; Protein Array

Notes

Best use within three months from the date of receipt of this protein.

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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