

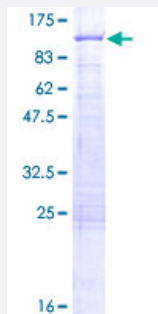
Full-Length

ALDH16A1 (Human) Recombinant Protein (P01)

Catalog # H00126133-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human ALDH16A1 full-length ORF (NP_699160.1, 1 a.a. - 802 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAATRAGPRAREIFTSLEYGPVPESHACALAWLDTQDRCLGHYVNGKWLKPEHRNSVPCQDPIT
GENLASCLQAQAEDVAAAVEAARMAFKGWSAHPGVVRAQHLTRLAEVIQKHQRLLWTLESLVT
GRAVREVRDGDVQLAQQLLHYHAIQASTQEEALAGWEPMGVIGLILPPTFSFLEMMWRICPALAV
GCTVVALVPPASPAPLLLAQLAGELGPFPGILNVVSGPASLVPILASQPGIRKVAFCGAPEEGRAL
RRSLAGECAELGLALGTESLLLLTDTADVDSAVEGVVDAAWSDRGPGGLRLLIQESVWDEAMR
RLQERMGRLRSGRGLDGAVIDMGARGAAACDLVQRFVREAQSQGAQVFQAGDVPSEPFYPPT
LVSNLPPASPCAQVEVPWPVVVASPFRTAKEALLVANGTPRGGASVWSERLGQALELGYGLQ
VGTVWINAHGLRDPSVPTGGCKESGCSWHGGPDGLYEYLRPSGTPARLSCLSKNLNYDTFGLAV
PSTLPAGPEIGPSPAPPYGLFVGGRFQAPGARSSRPIRDSSGNLHGYYAEGGAKDIRGAVEAAHQ
AFPGWAGQSPGARAALLWALAAALERRKSTLASRLERQGAELKAAEAELVELSARRLRAWGARV
QAQGH TLQVAGLRGPVLRRLREPLGVLAVVCPDEWPLAFVSL LAPALAYGNTVVMVPSAACPLL
ALEVCQDMATVFPAGLANVVTGDRDHLTRCLALHQDVQAMWYFGSAQGSQFVEWASAGNLKP
VWASRGCPRAWDQEAEGAGPELGRLVARTKALWLPMGD

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

111.5

Interspecies Antigen Sequence

Mouse (82); Rat (81)

Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — ALDH16A1

Entrez GeneID	126133
GeneBank Accession#	NM_153329.2
Protein Accession#	NP_699160.1
Gene Name	ALDH16A1
Gene Alias	MGC10204
Gene Description	aldehyde dehydrogenase 16 family, member A1
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the aldehyde dehydrogenases 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. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	-