

Retinal dehydrogenase 1 (Aldh1a1) Recombinant Protein | Aldh1a1 recombinant protein

Recombinant Mouse Retinal dehydrogenase 1 (Aldh1a1)

CATALOG # AAA114070	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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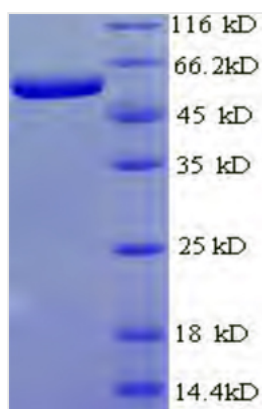
PRODUCT SYNONYMS

Retinal dehydrogenase 1 (Aldh1a1); Recombinant Mouse Retinal dehydrogenase 1 (Aldh1a1); Aldh1a1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	2-501aa; Full Length of Mature Protein
Sequence	SSPAQPAVPA PLADLKIQHT KIFINNEWHN SVSGKKFPVL NPATEEVICH VEEGDKADVD KAVKAARQAF QIGSPWRTMD ASERGRLLNK LADLMERDRL LLATMEALNG GKVFANAYLS DLGGCIKALK YCAGWADKIH GQTIPSDGDI FTYTRREPIG VCGQIIPWNF PMLMFIWKIG PALSCGNTVV VKPAEQTPLT ALHLASLIKE AGFPPGVVNI VPGYGP TAGA AISSHMDVDK VAFTGSTQVG KLIKEAAGKS NLKRVTLLELG GKSPCIVFAD ADLDIAVEFA HHGVFYHQGQ CCVAASRIFV EESVYDEFVK RSVERAKKYV LGNPLTPGIN QGPQIDKEQH DKILDIESG KKEGAKLECG GGRWGNKGFF VQPTVFSNVT DEMRIAKEEI FGPVQQIMKF KSVDDVIKRA NNTTYGLAAG LFTKDLDKAI TVSSALQAGV VVWNCYMMLS AQCPFGGFKM SGNRELGEH GLYEYTELKT VAMKISQKNS
Species	Mouse
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for Aldh1a1 recombinant protein	This protein belongs to the aldehyde dehydrogenases family of proteins. Aldehyde dehydrogenase is the second enzyme of the major oxidative pathway of alcohol metabolism. Two major liver isoforms of this enzyme, cytosolic and mitochondrial, can be distinguished by their electrophoretic mobilities, kinetic properties, and subcellular localizations. Most Caucasians have two major isozymes, while approximately 50% of Orientals have only the cytosolic isozyme, missing the mitochondrial isozyme. A remarkably higher frequency of acute alcohol intoxication among Orientals than among Caucasians could be related to the absence of the mitochondrial isozyme. This gene encodes a cytosolic isoform, which has a high affinity for aldehydes.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	85861182
NCBI GeneID	11668
NCBI Accession #	NP_038495.2
NCBI GenBank Nucleotide #	NM_013467.3
UniProt Accession #	P24549; Q7TQJ0; Q811J0
Molecular Weight	56.3 kDa
NCBI Official Full Name	retinal dehydrogenase 1
NCBI Official Synonym Full Names	aldehyde dehydrogenase family 1, subfamily A1
NCBI Official Symbol	Aldh1a1
NCBI Official Synonym Symbols	E1; Ahd2; Ahd-2; Aldh1; Raldh1; Aldh1a2
NCBI Protein Information	retinal dehydrogenase 1
UniProt Protein Name	Retinal dehydrogenase 1
UniProt Gene Name	Aldh1a1
UniProt Synonym Gene Names	RALDH 1Curated; RalDH1Curated

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.