

Aldehyde dehydrogenase family 1 member A3 (ALDH1A3) Recombinant Protein | ALDH1A3 recombinant protein

Recombinant Human Aldehyde dehydrogenase family 1 member A3 (ALDH1A3)

CATALOG # AAA113939	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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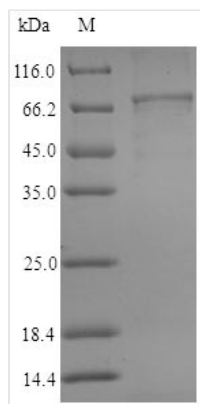
PRODUCT SYNONYMS

Aldehyde dehydrogenase family 1 member A3 (ALDH1A3); Recombinant Human Aldehyde dehydrogenase family 1 member A3 (ALDH1A3); Aldehyde dehydrogenase family 1 member A3; EC=1.2.1.5; Aldehyde dehydrogenase 6; Retinaldehyde dehydrogenase 3; RALDH-3; RalDH3; ALDH1A3 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	2-512aa; Full Length
Sequence	ATANGAVENG QPDRKPPALP RPIRNLEVKF TKIFINNEWH ESKSGKKFAT CNPSTREQIC EVEEGDKPDV DKAVEAAQVA FQRGSPWRL DALSRGRLH QLADLVERDR ATLALETMD TGKPFHLHAFF IDLEGCIRTL RYFAGWADKI QGKTIPTDDN VVCFTRHEPI GVCGAITPWN FPLLMLVWL APALCCGNTM VLKPAEQTPL TALYLGSLIK EAGFPPGVVN IVPFGPTVG AAISHPQIN KIAFTGSTEV GKLVEAASR SNLKRVTL GGKNPCIVCA DADLDLAVEC AHQGVFFNQG QCCTAASRVF VEEQVYSEFV RRSVEYAKKR PVGDPFDVKT EQGPQIDQKQ FDKILELIES GKKEGAKLEC GGSAMEDKGL FIKPTVFSEV TDNMRIAKEE IFGPVQPILK FKSIEEVIKR ANSTDYGLTA AVFTKNLDKA LKLASALESG TVWINCYNAL YAQAPFGGFK MSGNGRELGE YALAEYTEVK TVTIKLGDKN P
Sequence Length	512
Species	Homo sapiens (Human)
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 ALDH1A3 recombinant protein	Recognizes as substrates free retinal and cellular retinol-binding protein-bound retinal. Seems to be the key enzyme in the formation of an RA gradient along the dorso-ventral axis during the early eye development and also in the development of the olfactory system (By similarity).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	153266822
NCBI GeneID	220
NCBI Accession #	NP_000684.2
NCBI GenBank Nucleotide #	NM_000693.3
UniProt Accession #	P47895; Q6NT64
Molecular Weight	58 kDa
NCBI Official Full Name	aldehyde dehydrogenase family 1 member A3 isoform 1
NCBI Official Synonym Full Names	aldehyde dehydrogenase 1 family, member A3
NCBI Official Symbol	ALDH1A3
NCBI Official Synonym Symbols	ALDH6; MCOP8; RALDH3; ALDH1A6
NCBI Protein Information	aldehyde dehydrogenase family 1 member A3; aldehyde dehydrogenase 6; acetaldehyde dehydrogenase 6; retinaldehyde dehydrogenase 3
UniProt Protein Name	Aldehyde dehydrogenase family 1 member A3
UniProt Gene Name	ALDH1A3
UniProt Synonym Gene Names	ALDH6; RALDH-3; RaLDH3
UniProt Entry Name	AL1A3_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/aldh1a3-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/113939>