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Product datasheet for AR51907PU-N

ALDH6A1 / MMSDH (34-535, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	ALDH6A1 / MMSDH (34-535, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSSSSVPTV KLFIGGKFVE SKSDKWIDIH NPATNEVIGR VPQATKAEMD AAIASCKRAF PAWADTSVLS RQQVLLRYQQ LIKENLKEIA KLITLEQGKT LADAEGDVFR GLQVVEHACS VTSLMMGETM PSITKDMDLY SYRLPLGVCA GIAPFNFPAM IPLWMFPMAM VCGNTFLMKP SERVPGATML LAKLLQDSGA PDGTLNIIHG QHEAVNFICD HPDIKAISFV GSNKAGEYIF ERGSRHGKRV QANMGAKNHG VVMPDANKEN TLNQLVGAAF GAAGQRCMAL STAVLVGEAK KWLPELVEHA KNLRVNAGDQ PGADLGPLIT PQAKERVCNL IDSGTKEGAS ILLDGRKIKV KGYENGNFVG PTIISNVKPN MTCYKEEIFG PVLVVLETET LDEAIQIVNN NPYGNGTAIF TTNGATARKY AHLVDVGQVG VNVPIPVPLP MFSFTGSRSS FRGDTNFYGK QGIQFYTQLK TITSQWKEED ATLSSPAVVM PTMGR
Tag:	His-tag
Predicted MW:	56.8 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: Liquid, In Phosphate buffered saline (pH 7.4) containing 10% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human ALDH6A1, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001265522
Locus ID:	4329

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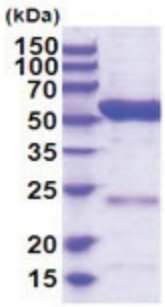
UniProt ID:	Q02252
Cytogenetics:	14q24.3
Synonyms:	MMSADHA; MMSDH
Summary:	This gene encodes a member of the aldehyde dehydrogenase protein family. The encoded protein is a mitochondrial methylmalonate semialdehyde dehydrogenase that plays a role in the valine and pyrimidine catabolic pathways. This protein catalyzes the irreversible oxidative decarboxylation of malonate and methylmalonate semialdehydes to acetyl- and propionyl-CoA. Methylmalonate semialdehyde dehydrogenase deficiency is characterized by elevated beta-alanine, 3-hydroxypropionic acid, and both isomers of 3-amino and 3-hydroxyisobutyric acids in urine organic acids. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jun 2013]
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Inositol phosphate metabolism, Metabolic pathways, Propanoate metabolism, Valine, leucine and isoleucine degradation

Product images:



15% SDS-PAGE (3ug)

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