

Recombinant Human ALDH18A1 protein(1-795aa)

Cat. No. ALDH18A1-10H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ALDH18A1 protein(1-795aa)(P54886) was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-795aa
Form	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Molecular Mass	87.3 kDa
AA Sequence	MLSQVYRCGFQPFNQHLLPWVKCTTVFRSHCIQPSVIRHVRWSNIPFITVPLSRTH GKSFAHRSELKHAKRIVVKLGSAVVTRGDECGLALGRLASIVEQVSVLQNQGEMM LVTSGAVAFGKQRLRHEILLSQSVRQALHSGQNQLKEMAIPVLEARACAAAGQSGL MALYEAMFTQYSICAAQILVTNLDFHDEQKRRNLNGTLHELLRMNIVPIVNTNDAVVP PAEPNSDLQGVNVISVKDNDSLAARLAVEMKTDLLIVLSDVEGLFDSPPGSDDAKLID IFYPGDQQSVTFGTCSRVMGGMGMEAKVKAALWALQGGTSVVIANGTHPKVSGHVIT DIVEGKKVGTFSEVKPAGPTVEQQGEMARSGGRMLATLEPEQRAEIIHHLADLLTD QRDEILLANKKDLLEAEGRLAAPLLKRLSLSTSKLNSLAIGLRQIAASSQDSVGRVLR RTRIAKNLELEQVTVPIGVLLVIFESRPDCLPQVAALAIASGNGLLLKGGKEAAHSNRI LHLLTQEALSIHGVKEAVQLVNTREEVEDLCRLDKMIDLIIPRGSSQLVRDIQKAAKGI PVMGHSEGICHMYVDSEASVDKVTRLVRDSKCEYPACNALETLLIHRDLLRTPFLD

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QIIDMLRVEQVKIHAGPKFASYLTFSPSEVKSLRTEYGDLELCIEVVDNVQDAIDHIHK
YGSHTDVIVTEDENTAEFFLQHVDVSACVFWNASTRFSDGYRFGGLGAEVGISTRIH
ARGPVGLEGLLTTKWLLRGKDHVVSDFSEHGSLKYLHENLPIQRNTN

Purity Greater than 85% as determined by SDS-PAGE.

Storage Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.

Reconstitution We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C.

GENE INFORMATION

Gene Name ALDH18A1 aldehyde dehydrogenase 18 family, member A1 [Homo sapiens]

Official Symbol ALDH18A1

Synonyms ALDH18A1; aldehyde dehydrogenase 18 family, member A1; GSAS, PYCS, pyrroline 5 carboxylate synthetase (glutamate gamma semialdehyde synthetase); delta-1-pyrroline-5-carboxylate synthase; P5CS; delta1-pyrroline-5-carboxylate synthetase; aldehyde dehydrogenase family 18 member A1; delta-1-pyrroline-5-carboxylate synthetase; pyrroline-5-carboxylate synthetase (glutamate gamma-semialdehyde synthetase); GSAS; PYCS; ARCL3A; MGC117316

Gene ID 5832

mRNA Refseq NM_001017423

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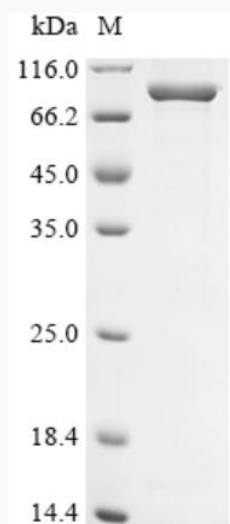
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Protein Refseq NP_001017423

MIM 138250

UniProt ID P54886

SDS-PAGE



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