

Recombinant Human ALDH1L2 Protein, GST-tagged

Cat. No. ALDH1L2-443H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ALDH1L2 full-length ORF (AAI03936.1, 1 a.a. - 488 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene encodes a member of both the aldehyde dehydrogenase superfamily and the formyl transferase superfamily. This member is the mitochondrial form of 10-formyltetrahydrofolate dehydrogenase (FDH), which converts 10-formyltetrahydrofolate to tetrahydrofolate and CO ₂ in an NADP(+)-dependent reaction, and plays an essential role in the distribution of one-carbon groups between the cytosolic and mitochondrial compartments of the cell. Alternatively spliced transcript variants have been found for this gene.[provided by RefSeq, Oct 2010]
Molecular Mass	79.7 kDa
AA Sequence	MVTFYGSTLLNSSVPPGEPLKGAKKPGLVTKNGLVLF GNDGKALTVRNLQFEDGK MIPASQYFSTGETSVVELTAEVVKVAETIKVIWAGILSNVPIEDSTDFKSGASSMDV ARLVEEIRQKCGGLQLQNEDVYMATKFEGFIQKVVRKLRGEDQEVELVVDYISKEVN EIMVKMPYQCFINGQFTDADDGKTYDTINPTDGSTICKVSYASLADVDKAVAAAKDA FENGWGRMNARERGRMLMYRLADLLEENQEELATIEALDSGAVYTLALKTHIGMSV QTFRYFAGWCDKIQGSTIPINQARPNRNLTFKKEPLGVCAIIPWNYPLMMLAWKSA ACLAAGNTLVLPKPAQVTPLTALKFAELSVKAGFPKGVINIIPGSGGIAGQRLSEHPDIR

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KLGFTGSTPIGKQIMKSCAVSNLKKVSLELGGKSPLIIFNDCELDKAVRMGMGAVFFN
KGENCIAAGRLFVEESIHDEFVTRVIH

Applications

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

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

ALDH1L2 aldehyde dehydrogenase 1 family member L2 [Homo sapiens (human)]

Official Symbol

ALDH1L2

Synonyms

ALDH1L2; aldehyde dehydrogenase 1 family member L2; mtFDH; mitochondrial 10-formyltetrahydrofolate dehydrogenase; 10-formyltetrahydrofolate dehydrogenase
ALDH1L2; aldehyde dehydrogenase family 1 member L2, mitochondrial;
mitochondrial 10-FTHFDH; probable 10-formyltetrahydrofolate dehydrogenase
ALDH1L2; EC 1.5.1.6

Gene ID

160428

mRNA Refseq

NM_001034173

Protein Refseq

NP_001029345

MIM

613584

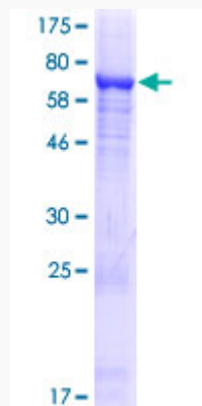
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UniProt ID

Q3SY69



12.5% SDS-PAGE Stained with Coomassie Blue.

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