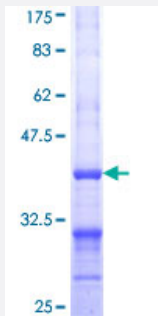


ALDH1L1 (Human) Recombinant Protein (Q01)

Catalog # H00010840-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ALDH1L1 partial ORF (NP_036322, 803 a.a. - 902 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	EESFGPVMIIISRFADGDLDAVLSRANATEFGLASGVFTRDINKALYVSDKLQAGTVFVNTYNKTDV AAPFGGFKQSGFGKDLGEAALNEYLRVKTVTFEY
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (90); Rat (89)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — ALDH1L1

Entrez GeneID [10840](#)

GeneBank Accession# [NM_012190](#)

Protein Accession# [NP_036322](#)

Gene Name ALDH1L1

Gene Alias DKFZp781N0997, FTHFD

Gene Description aldehyde dehydrogenase 1 family, member L1

Omim ID [600249](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene catalyzes the conversion of 10-formyltetrahydrofolate, NADP, and water to tetrahydrofolate, NADPH, and carbon dioxide. The encoded protein belongs to the aldehyde dehydrogenase family and is responsible for formate oxidation in vivo. Deficiencies in this gene can result in an accumulation of formate and subsequent methanol poisoning. [provided by RefSeq]

Other Designations formyltetrahydrofolate dehydrogenase

Pathway

- [One carbon pool by folate](#)

Disease

- [Adenocarcinoma](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Cerebral Hemorrhage](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Colorectal Neoplasms](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Intracranial Hemorrhages](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Spinal Dysraphism](#)
- [Stroke](#)
- [Subarachnoid Hemorrhage](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)