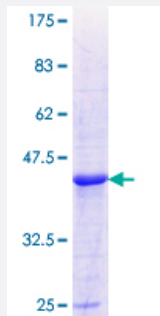


ALDH8A1 (Human) Recombinant Protein (Q01)

Catalog # H00064577-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ALDH8A1 partial ORF (NP_072090.1, 388 a.a. - 487 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MTEEIFGPVTCVVPFDSEEEVIERANNVKYGLAATVWSSNVGRVHRVAKKLQSGLVWTCWLIR ELNLPFGGMKSSGIGREGAKDSYDFFTEIKTITVKH
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (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 — ALDH8A1

Entrez GeneID [64577](#)

GeneBank Accession# [NM_022568](#)

Protein Accession# [NP_072090.1](#)

Gene Name ALDH8A1

Gene Alias ALDH12, DJ352A20.2, DKFZp779D2315, MGC138650

Gene Description aldehyde dehydrogenase 8 family, member A1

Omim ID [606467](#)

Gene Ontology [Hyperlink](#)

Gene Summary This protein belongs to the aldehyde dehydrogenases family of proteins. It plays a role in a pathway of 9-cis-retinoic acid biosynthesis in vivo. This enzyme converts 9-cis-retinal into the retinoid X receptor ligand 9-cis-retinoic acid, and has approximately 40-fold higher activity with 9-cis-retinal than with all-trans-retinal. Therefore, it is the first known aldehyde dehydrogenase to show a preference for 9-cis-retinal relative to all-trans-retinal. Two transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq]

Other Designations aldehyde dehydrogenase 8 family, member A1|aldehyde dehydrogenase 12|aldehyde dehydrogenase 8A1|aldehyde dehydrogenase family protein