

Human recombinant protein ALDH2
Human Recombinant ALDH2
Catalog # PBV10569r**Specification****Human recombinant protein ALDH2 - Product info**

Primary Accession	P05091
Concentration	1
Calculated MW	54.5 kDa KDa

Human recombinant protein ALDH2 - Additional Info

Gene ID	217
Gene Symbol	ALDH2

Other Names
Aldehyde dehydrogenase - mitochondrial, ALDH-E2, ALDH1, ALDM.

Gene Source	Human
Source	E. coli
Assay&Purity	SDS-PAGE; ≥90%
Assay2&Purity2	N/A;
Recombinant	Yes
Sequence	MSAAATQAVP APNQQPEVFC NQIFINNEWH DAVSRKTFPT VNPSTGEVIC QVAEGDKEDV DKAVKAARAA FQLGSPWRRM DASHRGRLN RLADLIERDR TYLAALETLD NGKPYVISYL VDLDMVLKCL RYYAGWADKY HGKTIPIDGD FFSYTRHEPV GVCGQIIPWN FPLLMQAWKL GPALATGNVV VMKVAEQTPL TALYVANLIK EAGFPPGVVN IVPFGPTAG AAIASHEDVD KVAFTGSTEI GRVIQVAAGS SNLKRVTLLE GGKSPNIIMS DADMDWAVEQ AHFALFFNQG QCCAGSRTF VQEDIYDEFV ERSVARAKSR VVGPNPFSKT EQGPQVDETQ FKKILGYINT GKQEGAKLLC GGGIAADRGY FIQPTVFGDV QDGMTIAKEE IFGPVMQILK FKTIEEVVGR ANNSTYGLAA AVFTKDLDKA NYLSQALQAG TVWVNCYDVF GAQSPFGGYK MSGSGRELGE YGLQAYTEVK TVTVKVPQKN S

Format
Liquid

Storage
-80°C; 1 mg/ml solution in 20 mM Tris-HCl buffer (pH 7.5) containing 1 mM DTT, 1 mM EDTA and 10% glycerol.

Human recombinant protein ALDH2 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Human recombinant protein ALDH2 - Images

Human recombinant protein ALDH2 - Background

ALDH2 (Aldehyde dehydrogenase 2 family) belongs to the aldehyde dehydrogenase family which catalyze the chemical transformation from acetaldehyde to acetic acid and is the second enzyme of the major oxidative pathway of alcohol metabolism. There are two major liver isoforms of this enzyme, cytosolic and mitochondrial, and they can be also distinguished by their electrophoretic mobilities, kinetic properties, and subcellular localizations. ALDH2 has been shown to interact with GroEL.

Human recombinant protein ALDH2 - References

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Braun T.,et al.FEBS Lett. 233:440-440(1988).
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Hsu L.C.,et al.Genomics 2:57-65(1988).
Lassen N.,et al.Submitted (MAY-2004) to the EMBL/GenBank/DDBJ databases.