

Human recombinant protein ALDH3A1
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Catalog # PBV10570r**Specification****Human recombinant protein ALDH3A1 - Product info**

Primary Accession	P30838
Concentration	0.5
Calculated MW	52.5 kDa KDa

Human recombinant protein ALDH3A1 - Additional Info

Gene ID	218
Gene Symbol	ALDH3A1
Other Names	
Aldehyde dehydrogenase 3 family, member A1, ALDHIII, ALDH3.	

Gene Source	Human
Source	E. coli
Assay&Purity	SDS-PAGE; ≥95%
Assay2&Purity2	N/A;
Recombinant	Yes
Sequence	MGSSHHHHHH SSGLVPRGSH MSKISEAVKR ARAAFSSGRT RPLQFRIQQL EALQRRIQEQ EQELVGALAA DLHKNEWNAY YEEVVYVLEE IEYMIQKLPE WAADEPVEKT PQTQQDELYI HSEPLGVVLV IGTWNYPFNL TIQPMVGAIA AGNAVVLKPS ELSENMASLL ATIIPQYLDK DLYPVINGGV PETTELLKER FDHILYTGST GVGKIIMTAA AKHLTPVTLE LGGKSPCYVD KNCDLDVACR RIAWGKFMNS GQTCVAPDYI LCDPSIQNQI VEKLKKSLEK FYGEDAKKSR DYGRIISARH FQVMGLIEG QKVAYGGTGD AATRYIAPTI LTDVDPQSPV MQEEIFGPVL PIVCVRSLEE AIQFINQREK PLALYMFSSN DKVIKKMIAE TSSGGVAAND VIVHITLHSL PFGGVGNSGM GSYHGKKSFE TFSHRRSCLV RPLMNDEGLK VRYPPSPAKM TQH

Format
Liquid**Storage**
-80°C; 0.5 mg/ml solution in 20 mM Tris-HCl buffer (pH 8.0) containing 0.1 M NaCl and 10% glycerol.**Human recombinant protein ALDH3A1 - 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 ALDH3A1 - Images

Human recombinant protein ALDH3A1 - Background

ALDH3A1, also known as Aldehyde dehydrogenase 3 family member A1, is involved in the detoxification of alcohol-derived acetaldehyde and in the metabolism of corticosteroids, biogenic amines, neurotransmitters, and lipid peroxidation. This protein forms a cytoplasmic homodimer that preferentially oxidizes aromatic and medium-chain (6 carbons or more) saturated and unsaturated aldehyde substrates. It is thought to promote resistance to UV and 4-hydroxy-2-nonenal-induced oxidative damage in the cornea.

Human recombinant protein ALDH3A1 - References

Schuuring E.M.D., et al. Submitted (AUG-1991) to the EMBL/GenBank/DDBJ databases.
Hsu L.C., et al. J. Biol. Chem. 267:3030-3037(1992).
Hsu L.C., et al. Adv. Exp. Med. Biol. 328:141-152(1993).
Kalnina N., et al. Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
Ota T., et al. Nat. Genet. 36:40-45(2004).