

32-8534: Recombinant Human Aldehyde Dehydrogenase 3-A1/ALDH3A1 (C-6His)

Gene : ALDH3A1

Gene ID : 218

Uniprot ID : P30838

Description

Source: Human Cells.

MW :51.4kD.

Recombinant Human Aldehyde Dehydrogenase 3-A1 is produced by our Mammalian expression system and the target gene encoding Met1-His453 is expressed with a 6His tag at the C-terminus. Aldehyde dehydrogenase, dimeric NADP-preferring is an enzyme that in humans is encoded by the ALDH3A1 gene, belongs to the aldehyde dehydrogenase family. ALDHs play a major role in the detoxification of alcohol-derived acetaldehyde. They are involved in the metabolism of corticosteroids, biogenic amines, neurotransmitters, and lipid peroxidation. This protein preferentially oxidizes aromatic aldehyde substrates. It may play a role in the oxidation of toxic aldehydes.

Product Info

Amount : 10 µg / 50 µg

Content : Lyophilized from a 0.2 µm filtered solution of PBS,pH7.4.

Storage condition : Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

Amino Acid : MSKISEAVKRARAFASSGRTRPLQFRIQQLEALQRLIQEQEQELVGALAADLHKNEWNAYEYEVVYVLEEIEYMI QKLPEWAADEPVEKTPQTQQDELYIHSEPLGVVLVIGTWNYPFNLTIQPMVGAIAAGNAVVLKPSSENMASL LATIIPQYLDKDLYPVINGGVPETTELLKERFDHILYTGSTGVGKIIMTAAAKHLTPVTLELGGKSPCYVDKNCDDL VACRRIAWGKFMNSGQTCVAPDYILCDPSIQNQIVEKLLKSLKEFYGEDAKKSRDYGRIISARHFQRVMGLIEGQ KVAYGGTGDAATRYIAPTILTDVDPQSPVMQEEIFGPVLPVIVCVRSLEEAIQFINQREKPLALYMFSSNDKVIKKMI AETSSGGVAANDVIVHITLHSLPFGGVGNSGMGSYHGKKSFFETFSHRRSCLVRPLMNDEGLKVRYPSPAKMT QHVDHHHHHHH

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.