

32-8779: Recombinant Human Aldehyde Dehydrogenase 1-A3/ALDH1A3 (N-6His)(Discontinued)

Gene : ALDH1A3

Gene ID : 220

Uniprot ID : P47895

Description

Source: E.coli.

MW :57.5kD.

Recombinant Human Aldehyde dehydrogenase 1-A3 is produced by our E.coli expression system and the target gene encoding Met1-Pro512 is expressed with a 6His tag at the N-terminus. Aldehyde dehydrogenase 1 family member A3 (ALDH1A3), also known as retinaldehyde dehydrogenase 3 (RALDH3), is a member of the aldehyde dehydrogenase family known to metabolize a wide variety of aldehydes. ALDH1A3 specifically oxidizes retinal to retinoic acid (RA) and is differentially expressed in developing embryonic tissues and adult organs. The RA produced by ALDH1A3 in rodents contributes to the development of skin and hair follicles, brain, tooth buds, lungs, olfactory bulbs, kidneys, eyes, skeletal muscle and seminal vesicles. In recent research, ALDH1A3 could be as a marker of cancer stem cell to predict metastasis or clinical prognosis in many cancers.

Product Info

Amount : 10 µg / 50 µg

Content : Supplied as a 0.2 µm filtered solution of 20mM TrisHCl,150mMNaCl, pH7.5,20% Glycerol.

Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.

Amino Acid : MNHKVHHHHHHMATANGAVENGQPD RKPPALPRPIRNLEVKFTKIFINNEWHESKSGKKFATCNPSTREQICE
VEEGDKPDVDKAVEAAQVAFQRGSPWRRLDALSRGRLHQLADLVERDRATLAALETMDTGKPF LHAFIDLE
GCIRTLRYFAGWADKIQGKTIPTDDNVVCFTRHEPIGVCGAITPWNFLLMLVWKLAPALCCGNTMVLKPAEQT
PLTALYLGSLIKEAGFP PGVVNIVPGFGPTVGAAISSHPQINKIAFTGSTEVGKLVKEAASRNLKRVTELGKKNP
CIVCADADLDLAVECAHQGVFFNQGCCTAASRVFVEEQVYSEFVRRSVEYAKKRPVGD PFDVKTEQGPQIDQ
KQFDKILELIESGKKEGAKLECGGSAMEDKGLFIKPTVFSEVTDNMRIAKEEIFGPVQPILKFKSIEEVIKRANSTDY
GLTAAVFTKNLDKALKLASALES GTVWINCYNALYAQAPFGGFKMSGNGRELGEYALAEYTEVKT VTIKLGDKN
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Application Note

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

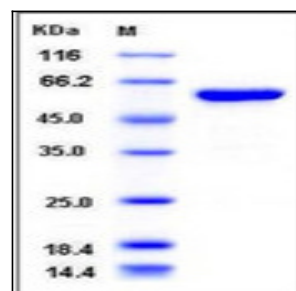


Figure 1: Coomassie Gel tested with ALDH1A3.