

Recombinant Full Length Human ALDH1A3 Protein, GST-tagged

Cat. No. ALDH1A3-1402HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ALDH1A3 full-length ORF (BAG35229.1, 1 a.a. - 512 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	512 amino acids
Description	This gene encodes an aldehyde dehydrogenase enzyme that uses retinal as a substrate. Mutations in this gene have been associated with microphthalmia, isolated 8, and expression changes have also been detected in tumor cells. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2014]
Molecular Mass	82.72 kDa
AA Sequence	MATANGAVEN GQPDRKPPAL PRPIRNLEVK FTKIFINNEW HESKSGKKFA TCNPSTREQI CEVEEGDKPD VDKAVEAAQV AFQRGSPWRR LDALSRGRLL HQLADLVERD RATLAALETM DTGKPFLHAF FIDLEGCIRT LRYFAGWADK IQGKTIPTDD NVVCFTTRHEP IGVCGAITPW NFPLLMLVWK LAPALCCGNT MVLKPAEQTP LTALYLGLSI KEAGFPPGVV NIVPGFGPTV GAAISSHPQI NKIAFTGSTV VGKLVKEAAS RSNLKRVTLE LGGKNPCIVC ADADLDLAVE CAHQGVFFNQ GQCCTAASRV FVEEQVYSEF VRRSVEYAKK RPYGDPFDVK TEQGPQIDQK QFDKILELIE SGKKEGAKLE CGGPAMEDKG LFIKPTVFSE

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VTDNMRIAKE EIFGPVQPIL KFKSIEEVIK RANSTDYGLT AAVFTKNLDK
 ALKLASALES GTVWINCYNALYAQAPFGGF KMSGNGRELG EYALAEYTEV
 KTVTIKLGDK NP

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

ALDH1A3 aldehyde dehydrogenase 1 family, member A3 [Homo sapiens]

Official Symbol

ALDH1A3

Synonyms

ALDH1A3; aldehyde dehydrogenase 1 family, member A3; ALDH6; aldehyde dehydrogenase family 1 member A3; RALDH3; retinaldehyde dehydrogenase 3; RALDH-3; aldehyde dehydrogenase 6; acetaldehyde dehydrogenase 6; ALDH1A6

Gene ID

220

mRNA Refseq

NM_000693

Protein Refseq

NP_000684

MIM

600463

UniProt ID

P47895

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