

# Recombinant Full Length Human ALDH1A3 Protein, GST-tagged

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

## SPECIFICATION

<b>Product Overview</b>	Human ALDH1A3 full-length ORF (BAG35229.1, 1 a.a. - 512 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	512 amino acids
<b>Description</b>	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]
<b>Molecular Mass</b>	82.72 kDa
<b>AA Sequence</b>	MATANGAVEN GQPDRKPPAL PRPIRNLEVK FTKIFINNEW HESKSGKKFA TCNPSTREQI CEVEEGDKPD VDKAVEAAQV AFQRGSPWRR LDALSRGRLL HQLADLVERD RATLAALETM DTGKPFLHAF FIDLEGCIRT LRYFAGWADK IQGKTIPTDD NVVCFTRHEP IGVCGAITPW NFPLLMLVWK LAPALCCGNT MVLKPAEQTP LTALYLGSLI KEAGFPPGVV NIVPGFGPTV GAAISSHPQI NKIAFTGSTE VGKLVKEAAS RSNLKRVTLE LGGKNPCIVC ADADLDLAVE CAHQGVFFNQ GQCCTAASRV FVEEQVYSEF VRRSVEYAKK RPYGDPFDVK TEQGPQIDQK QFDKILELIE SGKKEGAKLE CGGPAMEDKG LFIKPTVFSE

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VTDNMRIAKE EIFGPVQPIL KFKSIEEVIK RANSTDYGLT AAVFTKNLDK  
 ALKLASALES GTVWINCYNA LYAQAPFGGF 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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