

Recombinant Human ALDH1A1/ALDH1A2/ALDH1A3

Catalog No: #GP10045



Package Size: #GP10045-1 100ug

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Description

Product Name	Recombinant Human ALDH1A1/ALDH1A2/ALDH1A3
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to C terminal 290 amino acids of human Aldehyde dehydrogenase 1 family, member A1/2/3
Target Name	Aldehyde dehydrogenase 1 family, member A1/2/3
Other Names	ALDC, ALDH1, PUMB1, ALDH11, RALDH1, ALDH-E1; RALDH2, RALDH2-T, RALDH(II); ALDH6, RALDH3, ALDH1A6
Accession No.	Swissprot:P00352/O94788/P47895Gene Accession:BC001505/BC030589/BC069274
Uniprot	P00352
GenID	216;
Storage	-20~-80°C, pH 7.6 PBS

Background

This protein belongs to the aldehyde dehydrogenase family of proteins. The product of this gene is an enzyme that catalyzes the synthesis of retinoic acid (RA) from retinaldehyde. Retinoic acid, the active derivative of vitamin A (retinol), is a hormonal signaling molecule that functions in developing and adult tissues. The studies of a similar mouse gene suggest that this enzyme and the cytochrome CYP26A1, concurrently establish local embryonic retinoic acid levels which facilitate posterior organ development and prevent spina bifida. Four transcript variants encoding distinct isoforms have been identified for this gene.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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