

Recombinant Human ALDH16A1, GST-tagged

Cat. No. ALDH16A1-9548H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ALDH16A1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	242-593a.a.
Description	This gene encodes a member of the aldehyde dehydrogenase superfamily. The family members act on aldehyde substrates and use nicotinamide adenine dinucleotide phosphate (NADP) as a cofactor. This gene is conserved in chimpanzee, dog, cow, mouse, rat, and zebrafish. The protein encoded by this gene interacts with maspardin, a protein that when truncated is responsible for Mast syndrome. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

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Gene Name	ALDH16A1 aldehyde dehydrogenase 16 family, member A1 [Homo sapiens]
Official Symbol	ALDH16A1
Synonyms	ALDH16A1; aldehyde dehydrogenase 16 family, member A1; aldehyde dehydrogenase family 16 member A1; MGC10204;
Gene ID	126133
mRNA Refseq	NM_001145396
Protein Refseq	NP_001138868
MIM	613358
UniProt ID	Q8IZ83
Chromosome Location	19q13.33
Function	oxidoreductase activity; oxidoreductase activity, acting on the aldehyde or oxo group of donors, NAD or NADP as acceptor;