

Product datasheet for **TP727270**

Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Aldehyde Dehydrogenase 3-A1/ALDH3A1 (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Met1-His453
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Note:	Recombinant Human Aldehyde dehydrogenase family 3 member A1 is produced by our Mammalian expression system and the target gene encoding Met1-His453 is expressed with a 6His tag at the C-terminus.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Synonyms:	Aldehyde dehydrogenase; dimeric NADP-preferring;;ALDH3;ALDH3A1;Aldehyde dehydrogenase family 3 member A1;Aldehyde dehydrogenase 3;ALDHIII;ALDH3A1
Summary:	Aldehyde dehydrogenase, dimeric NADP-preferring is an enzyme that in humans is encoded by the ALDH3A1 gene, belongs to the aldehyde dehydrogenase family. ALDHs play a major role in the detoxification of alcohol-derived acetaldehyde. They are involved in the metabolism of corticosteroids, biogenic amines, neurotransmitters, and lipid peroxidation. This protein preferentially oxidizes aromatic aldehyde substrates. It may play a role in the oxidation of toxic aldehydes.



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