

Product datasheet for **TP727503**

ALDH1A3 Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Aldehyde Dehydrogenase 1-A3/ALDH1A3 (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Met1-Pro512
Tag:	N-His
Buffer:	Supplied as a 0.2 um filtered solution of 20mM TrisHCl, 150mM NaCl, 20% Glycerol,pH 7.5.
Note:	Recombinant Human Aldehyde dehydrogenase family 1 member A3 is produced by our E.coli expression system and the target gene encoding Met1-Pro512 is expressed with a 6His tag at the N-terminus.
Stability:	12 months from date of despatch
Locus ID:	220
UniProt ID:	P47895
Summary:	Aldehyde dehydrogenase 1 family member A3 (ALDH1A3), also known as retinaldehyde dehydrogenase 3 (RALDH3), is a member of the aldehyde dehydrogenase family known to metabolize a wide variety of aldehydes. ALDH1A3 specifically oxidizes retinal to retinoic acid (RA) and is differentially expressed in developing embryonic tissues and adult organs. The RA produced by ALDH1A3 in rodents contributes to the development of skin and hair follicles, brain, tooth buds, lungs, olfactory bulbs, kidneys, eyes, skeletal muscle and seminal vesicles. In recent research, ALDH1A3 could be as a marker of cancer stem cell to predict metastasis or clinical prognosis in many cancers.



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