

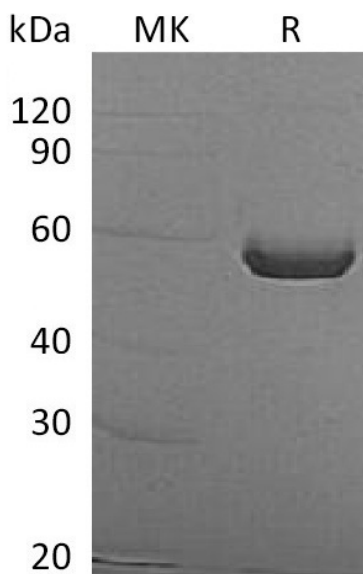
Product Name: Recombinant Human ALDH1A3 (N-6His)
Catalog #: PEH0035



Summary

Name	ALDH1A3/Aldehyde Dehydrogenase 1-A3
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	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.
Accession #	P47895
Host	E.coli
Species	Human
Predicted Molecular Mass	57.5 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, 20% Glycerol, pH 7.5.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image



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Alternative Names

Aldehyde dehydrogenase family 1 member A3; ALDH1A3; Aldehyde dehydrogenase 6; Retinaldehyde dehydrogenase 3; RALDH-3; ALDH6

Background

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.

Note

For Research Use Only , Not for Diagnostic Use.