Elabscience®

Recombinant Human ALDH1A3 Protein (His Tag)

Catalog Number: PKSH033774

Note: Centrifuge before opening to ensure complete recovery of vial contents.

species Human source E.coli-derived Human ALDH1A3 protein Met1-Pro512, with an N-terminal His Salculated MW 57.5 kDa Diserved MW 55-60 kDa Accession P47895 Sio-activity Not validated for activity Properties Variety Purity > 95 % as determined by reducing SDS-PAGE. Sconcentration Subject to label value. Storage Store at <-20°C, stable for 6 months. Please minimize freeze-thaw cycles. Shipping This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at <- 20°C. Yormulation Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 150mM NaCl, 20% Glycerol, pH 7.5. Data MK	-			
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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.