

Aldehyde Dehydrogenase 6 A1 Human Recombinant

Item Number	rAP-1053
Synonyms	MMSADHA, MMSDH, Aldehyde Dehydrogenase 6 Family, Member A1, Methylmalonate-Semialdehyde Dehydrogenase [Acylating], Mitochondrial, Mitochondrial Acylating Methylmalonate-Semialdehyde Dehydrogenase, Malonate-Semialdehyde
Description	ALDH6A1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 525 amino acids (34-535 a.a) and having a molecular mass of 56.8kDa. ALDH6A1 is fused to a 23 amino acid His-tag at N-terminus
Uniprot Accesion Number	Q02252
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSSSSVPTV KLFIGGKFVE SKSDKWIDIH NPATNEVIGR VPQATKAEMD AAIAASCKRAF PAWADTSVLS RQQVLL- RYQQ LIKENLKEIA KLITLEQGKT LADAEGDVFR GLQVVEHACS VTSLMMGETM PSITKDMMDLY SYRLPLGVCA GIAPFNFPAM IPLWMFPAM VCGNTFLMKP SERVPGATML LAKLLQDSGA PDGTLNIIHG QHEAVNFICD HPDIKAISFV GSNKAGEYIF ERGSRHGKRV QANMGAKNHG VVMPDANKEN TLNQLVGAAC GAA-
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	ALDH6A1 protein solution (0.25mg/ml) containing Phosphate buffered saline (pH7.4), 10% glycerol and 1mM DTT. Greater than 85.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**