

Aldehyde Dehydrogenase 1A1 Human Recombinant

Item Number	rAP-1004
Synonyms	ALDC, Aldehyde dehydrogenase cytosolic, Aldehyde dehydrogenase family 1 member A1, ALDH1, ALD-H11, ALDH-E1, ALHDII, MGC2318, PUMB1, RaIDH1, RALDH1, RALDH 1, Retinal dehydrogenase 1, ALD-H1A1.
Description	The ALDH1A1 Human recombinant protein is a single, non-glycosylated polypeptide chain produced in E. coli, having a molecular weight of 54.8kDa and containing 501 amino acids (1-501 a.a.).
Uniprot Accession Number	P00352
Amino Acid Sequence	MSSSGTPDLP VLLTDLKIY TKIFINNEWH DSVSGKKFPV FNPATEEEELC QVEEGDKEDV DKAVKAAR-QA FQIGSPWRTM DASERGRLLYKLADLIERDR LLLATMESMN GKKLYSNAYL NDLAGCIKTL RYCAG-WADKI QGRTIPIDGN FFTYTRHEPI GVCQGIIIPWN FPLVMLIWKIGPALSCGNTV VVKPAEQTPL TALHVASLIK EAGFPPGVVN IVPGYGPTAG AAISSHMDID KVAFTGSTEV GKLIKEAAGK SNLKRVTLEL GKGSPCIVLA DADLDNAVEF AHHGVFYHQG QCCIAASRIF VEESYDEFV RRSVERAKKY ILGNPLTPGV TQGPQIDKEQ YDKILDIES GKKEGAKLEC GGGPWGNKGY FVQPTVFSNV TDEMRIAKEE IFGPVQQIMK FKSLLDDVIKR ANNTFYGLSA GVFTKDIDKA ITISSALQAG TVWVNCYGVV SAQCPFGGFK MSGNGRELGE YGFHEYTEVK TVTVKISQKN S.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered clear 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.Please avoid freeze thaw cycles.
Formulation and Purity	The ALDH1A1 protein solution is formulated in 50mM Tris-HCl pH-7.5 and 10% glycerol. Greater than 90% 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**