

Recombinant Human ALDH1A1 Protein

Catalog #	Source	Reactivity	Applications
CRP1037	E. coli	Human	E, WB, SDS-PAGE, MS
Description	Recombinant Human ALDH1A1 Protein is produced by our E. coli expression system and the target gene encoding Met1-Ser501 is expressed with a 6His tag at the N-terminus.		
Form	Liquid in a 0.2 µM filtered solution of 20mM Tris-HCl, 150mM NaCl, 20% glycerol, 1mM DTT, pH8.0.		
Gene Symbol	ALDH1A1		
Alternative Names	ALDC; ALDH1; PUMB1; Retinal dehydrogenase 1; RALDH 1; RaIDH1; ALDH-E1; ALHDII; Aldehyde dehydrogenase family 1 member A1; Aldehyde dehydrogenase, cytosolic		
Entrez Gene	216 (Human)		
SwissProt	P00352 (Human)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	MGSSHHHHHH SSGLVPRGSH MSSSGTPDLP VLLDLKIQY TKIFINNEWH DSVSGKKFPV FNPATEEELC QVEEGDKEDV DKAVKAARQA FQIGSPWRTM DASERGRLLY KLADLIERDR LLLATMESMN G GKLYSNAYL NDLAGCIKTL RYCAGWADKI QGRTIPIDGN FFTYTRHEPI GVCQGQIIPWN FPLVMLIWKI GPALSCGNTV VVKPAEQTPL TALHVASLIK EAGFPPGQVNV IVPGYGPTAG AAISSHMDID KVAFTGSTEV GKLIKEAAGK SNLKRVLTLEL GKGSPCIVLA DADLDNAVEF AHHGVFYHQG QCCIAASRIF VEESYDEFV RRSVERAKKY ILGNPLTPGV TQGPQIDKEQ YDKILDIES GKKEGAKLEC GGGPWGNKGY FVQPTVFSNV TDEMRIAEE IFGPVQQIMK FKSLLDDVIKR ANNTFYGLSA GVFTKDIDKA ITISSALQAG TVWVNCYGVV SAQCPFGGFK MSGNGRELGE YGFHEYTEVK TVTVKISQKN S		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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Product Data Sheet

Quality Control	Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.
Directions for Use	Always centrifuge tubes before opening. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage/Stability	Store it at -20°C to -80°C for one year.

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