

## Recombinant Human ALDH1A3 Protein

Catalog #	Source	Reactivity	Applications
CRP2568	E. coli	Human	E, WB, SDS-PAGE, MS

<b>Description</b>	Recombinant Human ALDH1A3 Protein is produced by E.coli expression system and the target gene encoding Met1-Pro512 is expressed with a 6His tag at the N-terminus.
<b>Form</b>	Liquid in a 0.2 µm filtered solution of 20mM Tris-HCl, 150mM NaCl, pH7.5, 20% Glycerol.
<b>Gene Symbol</b>	ALDH1A3
<b>Alternative Names</b>	ALDH6; Aldehyde dehydrogenase family 1 member A3; Aldehyde dehydrogenase 6; Retinaldehyde dehydrogenase 3; RALDH-3; RalDH3
<b>Entrez Gene</b>	220 (Human)
<b>SwissProt</b>	P47895 (Human)
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE.
<b>Chemical Structure</b>	MNHKVVHHHHH HMATANGAVE NGQPDRKPPA LRPPIRNLEV KFTKIFINNE WHESKSGKKF ATCNPSTREQ ICEVEEGDKP DVDKAVEAAQ VAFQRGSPWR RLDALSRGRL LHQLADLVER DRATLAALET MDTGKPFLHA FFIDLEG CIR TLR YFAGWAD KIQQKTIPTD DNVVCFTRHE PIGVCGAITP WNFPLLMLVW KLAPALCCGN TMVLKPAEQT PLTALYLGSL IKEAGFPPGV VNIVPGFGPT VGAAISSHPQ INKIAFTGST EVGKLVKEAA SRSNLKRVTL ELGGKNPCIV CADADLDLAV ECAHQGVFFN QGQCCTAASR VFVEEQVYSE FVRRSVEYAK KRPVGDPPDV KTEQGPQIDQ KQFDKILELI ESGKKEGAKL ECGGSAMEDK GLFIKPTVFS EVTDMRIAK EEIFGPVQPI LKFKSIEVI KRANSTDYGL TAAVFTKNLD KALKLASALE SGTVWINCYN ALYAQAPFGG FKMSGNGREL GEYALAEYTE VKTVTILGD KNP
<b>Quality Control</b>	Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.

**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

**Directions for Use** Please minimize freeze-thaw cycles.

**Storage/Stability** Store it at -20°C to -80°C for one year. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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