

## Recombinant Human ALDH1A2 Protein

Catalog #	Source	Reactivity	Applications
CRP2567	E. coli	Human	E, WB, SDS-PAGE, MS

**Description** Recombinant Human ALDH1A2 Protein is produced by E.coli expression system and the target gene encoding Met1-Ser518 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, pH7.5, 20% Glycerol.

**Gene Symbol** ALDH1A2

**Alternative Names** RALDH2; Retinal dehydrogenase 2; RALDH 2; RalDH2; Aldehyde dehydrogenase family 1 member A2; Retinaldehyde-specific dehydrogenase type 2; RALDH(II)

**Entrez Gene** 8854 (Human)

**SwissProt** O94788 (Human)

**Purity** Greater than 95% as determined by reducing SDS-PAGE.

**Chemical Structure** MNHKVHHHHH HMTSSKIEMP GEVKADPAAL MASLHLLPSP TPNLEIKYTK IFINNEWQNS  
ESGRVFPVYN PATGEQVCEV QEADKADIDK AVQAARLAFS LGSVWRRMDA SERGRLLDKL  
ADLVERDRAV LATMESLNGG KPFLQAFYVD LQGVIKTFRY YAGWADKIHG MTIPVDGDYF  
TFTRHEPIGV CGQIIPWNFP LLMFAWKIAP ALCCGNTVVI KPAEQTPLSA LYMGALIKEA  
GFPPGVINIL PGYGPTAGAA IASHIGIDKI AFTGSTEVGK LIQEAAGRSN LKRVTLELGG  
KSPNIIFADA DLDYAVEQAH QGVFFNQQQC CTAGSRIFVE ESIYEEFVRR SVERAKRRVV  
GSPFDPTTEQ GPQIDKKQYN KILELIQSGV AEGAKLECGG KGLGRKGGFFI EPTVFSNVTD  
DMRIAKEEIF GPVQEILRFK TMDEVIERAN NSDFGLVAAV FTNDINKALT VSSAMQAGTV  
WINCYNALNA QSPFGGFKMS GNGREMGEFG LREYSEVKTV TVKIPQKNS

**Quality Control** 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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