

# Product Data Sheet

## Recombinant E. coli MDH Protein

Catalog #	Source	Reactivity	Applications
CRP1948	E. coli	E. coli	E, WB, SDS-PAGE, MS
Description	Recombinant E. coli MDH Protein is produced by our E. coli expression system and the target gene encoding Met1-Lys312 is expressed with a 6His tag at the N-terminus.		
Form	Supplied as a 0.2 μM filtered solution of 50mM PB, 50% Glycerol, pH 7.5.		
Gene Symbol	MDH		
Alternative Names	Malate dehydrogenase		
Entrez Gene	947854 (E. coli)		
SwissProt	P61889 (E. coli)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	MGSSHHHHHH SSGLVPRGSH MKVAVLGAAG GIGQALALLL KTQLPSGSEL SLYDIAPVTP GVAVDLSHIP TAVKIKGFSG EDATPALEGA DVVLISAGVR RKPGMDRSDL FNVNAGIVKN LVQQVAKTCP KACIGIITNP VNTTVAIAAE VLKKAGVYDK NKLLGVTTLD IIRSNTFVAE LKGKQPGEVE VPVIGGHSGV TILPLLSQVP GVSFTEQEVA DLTAKRIQNAG TEVVEAKAGG GSATLSMGQA AARFGLSLVR ALQGEQGVVE CAYVEGDGQY ARFFSQPLLL GKNGVEERKS IGTLSAFEQN ALEGMLDTLK KDIALGQEFV NK		
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. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.		
Storage/Stability	Lyophilized protein should be stored at -20°C, though stable at room temperature		
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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for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days.

Aliquots of reconstituted samples are stable at -20°C for 3 months.

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