

Product Data Sheet

Recombinant Human MDH2 Protein

Catalog #	Source	Reactivity	Applications
CRP2196	Human cells	H	E, WB, SDS-PAGE, MS
Description	Recombinant Human MDH2 Protein is produced by mammalian expression system and the target gene encoding Ala25-Lys338 is expressed with a 6His tag at the C-terminus.		
Form	Liquid in a 0.2 µM filtered solution of 20mM PB, 150mM NaCl, pH 7.4.		
Gene Symbol	MDH2		
Alternative Names	Malate dehydrogenase mitochondrial		
Entrez Gene	4191 (Human)		
SwissProt	P40926 (Human)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	AKVAVLGASG GIGQPLSLLL KNSPLVSRIT LYDIAHTPGV AADLSHIETK AAVKGYLGPE QLPDCLKGCD VVVIPAGVPR KPGMTRDDL FNTNATIVATL TAACAQHCPE AMICVIANPV NSTIPITAEV FKKHGVYNPN KIFGVTTLDI VRANTFVAEL KGLDPA RVNV PVIGGHAGKT IIP LISQCTP KVDFPQDQLT ALTGRIQEAG TEVVKAKAGA GSATLSMAYA GARFVFSLVD AMNGKEGVVE CSFVKSQETE CTYFSTPLLL GKKGIEKNLG IGKVSSFEEK MISDAIPELK ASIKKGEDFV KTLKVDHHHH HH		
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. Please aliquot the reconstituted solution to 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.		

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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