

Product Data Sheet

Recombinant Human MECP2 Protein

Catalog #	Source	Reactivity	Applications
CRP1951	Human cells	Human	E, WB, SDS-PAGE, MS
Description	Recombinant Human MECP2 Protein is produced by our mammalian expression system and the target gene encoding Met1-Ser486 is expressed with a 6His tag at the C-terminus.		
Form	Lyophilized from a 0.2 μM filtered solution of 20mM Tris, 300mM NaCl, 5% Trehalose, 2mM DTT, pH 8.0.		
Gene Symbol	MECP2		
Alternative Names	Methyl-CpG-binding protein 2; MeCp-2 protein; MeCp2		
Entrez Gene	4204 (Human)		
SwissProt	P51608 (Human)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	MVAGMLGLRE EKSEDQDLQG LKDKPLKFKK VKKDKKEEKE GKHEPVQPSA HHSAPAEAG KAETSEGS GS APAPPEASAS PKQRRSIIRD RGPMYDDPTL PEGWTRKLKQ RKSGRSAGKY DVYLINPQGK AFRSKVELIA YFEKVGDTSL DPNDFDFTVT GRGSPSRREQ KPPKKPKSPK APGTGRGRGR PKGSGTTRPK AATSEGVQVK RVLEKSPGKL LVKMPFQTSP GGKAEGGGAT TSTQVMVIKR PGRKRKA EAD PQAIPKKRGR KPGSVVAAAA AEAKKKAVKE SSIRSVQETV LPIKKRKTRE TVSIEVKEVV KPLLSTLGE KSGKGLKTCK SPGRKSKESS PKGRSSSASS PPKKEHHHHH HHSESPKAPV PLLPPLPPPP PEPESEDPT SPPEPQDLSS SVCKEEKMPR GGLES DGCP KEPAKTQPAV ATAATAAEKY KHRGEGERKD IVSSSMRPN REEPVDSRTP VTERVSVDHH HHHH		
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		
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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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 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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