Recombinant Human MECP2

Catalog No: CI08

Description	Recombinant Human Methyl-CpG-binding protein 2 is produced by our Mammalian expression system and the target gene encoding Met1-Ser486 is expressed with a 6His tag at the C-terminus.
Source	Human Cells
Alternative name	Methyl-CpG-binding protein 2;MECP2;MeCp-2 protein
Accession No.	P51608
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM Tris, 300mM NaCl, 5% Trehalose, 2mM DTT, pH 8.0.
Quality Control	Purity: Greater than 90% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Background	The MeCP2 helps regulate gene activity (expression) by modifying chromatin, the complex of DNA and protein that packages DNA into chromosomes. The MeCP2 protein is present in cells throughout the body, although it is particularly abundant in brain cells.In the brain, the MeCP2 protein likely plays a role in maintaining connections (synapses) between neurons, where cell-to-cell communication occurs. The alternative splicing of proteins is critical for normal communication between neurons and may also be necessary for the function of other types of brain cells.

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