

## 32-8391: Recombinant Human Methyl-CpG-Binding Protein 2/MECP2 (C-6His)

**Gene :** MECP2  
**Gene ID :** 4204  
**Uniprot ID :** P51608

### Description

Source: Human Cells.  
MW :53.5kD.

Recombinant Human MECP2 is produced by our Mammalian expression system and the target gene encoding Met1-Ser486 is expressed with a 6His tag at the C-terminus. 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM Tris,150mM NaCl,pH 8.0.  
**Storage condition :** 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.  
**Amino Acid :** MVAGMLGLREEKSEDQDLQGLKDKPLKFKKVKKDKKKEEKEGKHEPVQPSAHHSAEPAEAGKAETSEGSAPSAPAVPEASASPKQRRSIRDRGPMYDDPTLPEGWTRKLRKQKSGRSAGKYDVYLNLPQGKAFRSKVELIAYFEKVGDTSLDPNDFDFTVTGRGSPSRREQPPKPKSPKAPGTGRGRGRPKGSGTTRPKAATSEGVQVKRVLEKSPGKLLVKMPFQTSPGGKAEGGGATTSTQVMVIKRPGRKRKAADPQAIPKKRGRKPGSVVAAAAAEAKKKAVKESSIRSVQETVLPKIKRKTRETVSIEVKEVVKPLLVLSTLGEKSGKGLKTKSPGRKSKESSPKGRSSASSPPKKEHHHHHHHSESPKAPVLLPPLPPPPPEPESSEDPTSPPEQDLSSSVCKEEKMPRGGSLSDGCPKEPAKTQPAVATAATAAEKYKHRGGERKDIVSSMPRPNREEPVDSRTPVTERVSDHHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.