

## Product datasheet for **TP726083**

### MECP2 Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Methyl-CpG-Binding Protein 2/MECP2 (N-Flag&C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Met1-Ser486
Tag:	N-Flag&C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of 20mM Tris-HCl, 300mM NaCl, 5% Trehalose, 2mM DTT, pH8.0.
Note:	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 Flag tag at the N-terminus and a 6His tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	4204
UniProt ID:	<a href="#">P51608</a>
Summary:	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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