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### Datasheet for ABIN7318777

# **MECP2 Protein (His tag)**



#### Overview

Quantity:	50 µg
Target:	MECP2
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MECP2 protein is labelled with His tag.

#### **Product Details**

Purpose:	Recombinant Human MECP2 Protein (His Tag)
Sequence:	Met 1-Ser486
Characteristics:	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.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

## Target Details

Target:	MECP2
Alternative Name:	MECP2 (MECP2 Products)
Background:	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

#### **Target Details**

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.

Synonym: Methyl-CpG-binding protein 2,MECP2,MeCp-2 protein

Molecular Weight: 53.5 kDa

UniProt: P51608

Pathways: Inositol Metabolic Process, Chromatin Binding, Synaptic Membrane

### **Application Details**

Restrictions: For Research Use only

#### Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM Tris,150 mM NaCl, pH 8.0.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.
	Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted
	samples are stable at < -20°C for 3 months.