Recombinant Human MECP2 Protein (His Tag)

Catalog No. PKSH032751

Note: Centrifuge before opening to ensure complete recovery of vial contents.

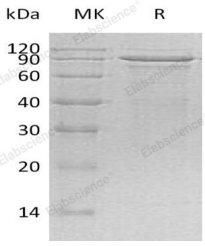
Description

Synonyms	Methyl-CpG-binding protein 2;MECP2;MeCp-2 protein
Species	Human
Expression Host	HEK293 Cells
Sequence	Met 1-Ser486
Accession	P51608
Calculated Molecular Weight	53.5 kDa
Observed molecular weight	90 kDa
Tag	C-His
Bioactivity	Not validated for activity

Properties

Purity	> 90 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM Histidine-HCl, 8% Sucrose, 50mM NaCl, 0.02% Tween 80, pH 6.0. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



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Background

The MeCP2 helps regulate gene activity (expression) by modifying chromatin, the complex of DNA and protein that

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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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