Recombinant Human MECP2 Protein (His Tag)

Catalog Number:PKSH032751

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

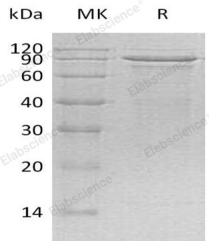
Description

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

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% Tween80 are added as protectants before lyophilization. Please refer to the specific
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 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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