

MEGF10 Protein, Human, Recombinant (His)

General Information

Synonyms:	EMARDD;multiple EGF-like-domains 10
Protein Construction:	A DNA sequence encoding the human MEGF10 (NP_115822.1) (Met1-Gly857) was expressed with a polyhistidine tag at the C-terminus. Predicted N terminal: Leu 26
Species:	Human
Expression Host:	HEK293 Cells
Accession:	Q96KG7-1
Molecular Weight:	90.2 kDa (predicted)

QC Testing

Biological Activity:	Activity testing is in progress. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90 % as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Lyophilized from a solution filtered through a 0.22 μm filter, containing PBS, pH 7.4. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization.

Preparation and Storage

Reconstitution:
A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:
It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:
In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

MEGF10 (Multiple EGF Like Domains 10) is a Protein Coding gene. 2 alternatively spliced human isoforms have been reported. This gene encodes a member of the multiple epidermal growth factor-like domains protein family. The encoded protein plays a role in cell adhesion, motility, and proliferation, and is a critical mediator of apoptotic cell phagocytosis as well as amyloid-beta peptide uptake in the brain. MEGF10 may also function in the mosaic spacing of specific neuron subtypes in the retina through homotypic retinal neuron repulsion. It belongs to the

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MEGF family. Diseases associated with MEGF10 include Myopathy, Areflexia, Respiratory Distress, And Dysphagia, Early-Onset, and Dysphagia.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481