

Recombinant Human MEGF10 Protein (Met1-Gly857), HIgG1 Fc-tagged

Cat. No. MEGF10-636H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MEGF10 Protein (XP_016865476.1) (Met1-Gly857) was produced by HEK293 Cells expression system. This protein was expressed with the Fc region of human IgG1 at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	Met1-Gly857
Description	Multiple-EGF like domains 1 (MEGF1) is the mammalian homologue of Draper, a Drosophila phagocytosis receptor that plays an important role in synapse elimination and cell type-specific recognition. MEGF1 is predominantly expressed in the brain and known to function as a phagocytic receptor. MEGF1 is known to function as a myogenic regulator of satellite cells in skeletal muscle. Mutations in MEGF1 gene cause a congenital myopathy called early onset myopathy, areflexia, respiratory distress and dysphagia (EMARDD).
Predicted N Terminal	Leu 26
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant human MEGF10 consists 843 amino acids and predicts a molecular

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	mass of 90.2 kDa.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 90 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70 centigrade.
Storage	Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4°C before opening to recover the entire contents.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	MEGF10 multiple EGF like domains 10 [Homo sapiens (human)]
Official Symbol	MEGF10
Synonyms	EMARDD
Gene ID	84466
mRNA Refseq	NM_001256545

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Protein Refseq NP_001243474

MIM 612453

UniProt ID Q96KG7

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