

Embigin Protein, Mouse, Recombinant (His)

General Information

Synonyms: Embigin;Emb;Gp70;Teratocarcinoma glycoprotein Gp-70

Protein Construction: 34-330 aa

Species: Mouse

Expression Host: E. coli

Accession: P21995

Molecular Weight: 36.4 kDa (predicted)

AA Sequence: DPTDPTFTSLPVREEMMAKYSNLSLKSCNISVTEKSNVSVEENVILEKPSHVELKCVYTATKDLNLMNVTWKK
DDEPLETTGDFNTTKMGNTLTSQYRFIVFNSKQLGKYSCVFGEKELRGTFNIHVPKAHGKKKSLIAYVGDSTVL
KCVCQDCLPLNWTWYMGNETAQVPIDAHSNEKYIINGSHANETRLKIKHLLLEEDGGSYWCRAFQLGEESEQ
NELVVLVSLVPLKPFLLAELVILLVAIILLCEVYTHKKKNDPDAGKEFEQIEQLKSDDSNNGIENNVPRYRKTDSDA
DQ

QC Testing

Biological Activity: Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.

Purity: > 85% as determined by SDS-PAGE.

Endotoxin: < 1.0 EU/μg of the protein as determined by the LAL method.

Formulation: Lyophilized from Tris/PBS-based buffer, 6% Trehalose, pH 8.0

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:

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

Plays a role in targeting the monocarboxylate transporters SLC16A1 and SLC16A7 to the cell membrane. Plays a role in the outgrowth of motoneurons and in the formation of neuromuscular junctions. Following muscle denervation, promotes nerve terminal sprouting and the formation of additional acetylcholine receptor clusters at

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synaptic sites without affecting terminal Schwann cell number or morphology. Delays the retraction of terminal sprouts following re-innervation of denervated endplates.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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