

LGI1 Protein, Human, Recombinant (His & Myc)

General Information

Synonyms: EPT;Leucine-rich glioma-inactivated protein 1;LGI1;Epitempin-1

Protein Construction: 224-557 aa

Species: Human

Expression Host: E. coli

Accession: O95970

Molecular Weight: 46.3 kDa (predicted)

AA Sequence: TEFAKSQDLPLYQSLSIDTFSYLNDEYVVIQAQPFTGKCIFLEWDHVEKTFRNYDNITGTSTVVCKPIVIETQLYVIV
AQLFGGSHIYKRDSFANKFIKIQDIEILKIRKPNDIETFKIENNWFVADSSKAGFTTIYKWNNGFYSHQSLH
AWYRDTDVEYLEIVRTPQTLRTPHLLSSSSQRPVIYQWNKATQLFTNQTDIPNMEDVYAVKHFSVKGDVYICL
TRFIGDSKVMKWGGSSFQDIQRMPSRGSMVFQPLQINNYQYAILGSDYSFTQVYNWDAEKAKFVKFQELNV
QAPRSFTHVSINKRNFLFASSFKGNTQIYKHVIVDLSA

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: > 90% as determined by SDS-PAGE.

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

Formulation: If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 μg/mL. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

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

A DRUG SCREENING EXPERT

Regulates voltage-gated potassium channels assembled from KCNA1, KCNA4 and KCNAB1. It slows down channel inactivation by precluding channel closure mediated by the KCNAB1 subunit. Ligand for ADAM22 that positively regulates synaptic transmission mediated by AMPA-type glutamate receptors. Plays a role in suppressing the production of MMP1/3 through the phosphatidylinositol 3-kinase/ERK pathway. May play a role in the control of neuroblastoma cell survival.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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