Recombinant Human FGF-13 protein(His Tag)

Catalog Number: PKSH034156

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

Description

Species	Human
Source	E.coli-derived Human FGF-13 protein Met 1-Thr 245, with an C-terminal His
Calculated MW	28.4 kDa
Observed MW	30 kDa
Accession	NP_004105.1
Bio-activity	Measure by its ability to induce 3T3 cells proliferation.The ED_{50} for this effect is <160 ng/mL.

Properties

Purity	> 98 % as determined by reducing SDS-PAGE.
Endotoxin	< 0.1 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°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Background

Microtubule-binding protein which directly binds tubulin and is involved in both polymerization and stabilization of microtubules. Through its action on microtubules, may participate in the refinement of axons by negatively regulating axonal and leading processes branching. Plays a crucial role in neuron polarization and migration in the cerebral cortex and the hippocampus. Regulates voltage-gated sodium channels transport and function. May also play a role in MAPK signaling. Required for the development of axonal initial segment-targeting inhibitory GABAergic synapses made by chandelier neurons.

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