

Recombinant Human FGF-13 protein(His Tag)

Catalog No. PKSH034156

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

Description

Synonyms	FHF-2;FHF2;LINC00889
Species	Human
Expression Host	E.coli
Sequence	Met 1-Thr 245
Accession	NP_004105.1
Calculated Molecular Weight	28.4 kDa
Observed molecular weight	30 kDa
Tag	C-His
Bioactivity	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% Tween80 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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