Recombinant Human FGF-12/FGF12 Protein

Catalog No. PKSH032433

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

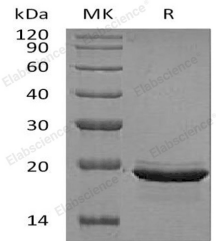
Description

Synonyms	Fibroblast Growth Factor 12;FGF-12;Fibroblast Growth Factor Homologous Factor 1;FHF-1;Myocyte-Activating Factor;FGF12;FGF12B;FHF1
Species	Human
Expression Host	E.coli
Sequence	Met 1-Thr181
Accession	P61328-2
Calculated Molecular Weight	20.5 kDa
Observed molecular weight	19 kDa
Tag	None
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 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℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, 5mM EDTA, pH 7.5. 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.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Fibroblast Growth Factor 12 (FGF-12) is a member of the fibroblast growth factor (FGF) family. FGF-12 is probably

involved in nervous system development and function. FGF-12 lacks the N-terminal signal sequence present in most of the FGF family members, but it contains clusters of basic residues that have been demonstrated to act as a nuclear localization signal. When transfectedinto mammalian cells, this protein accumulated in the nucleus, but was not secreted. The specific function of this gene has not yet been determined. Two alternatively spliced transcript variants encoding distinct isoforms have been reported.