

Recombinant Mouse FGF-17 Protein (His Tag)(Active)

Catalog No. PKSM041020

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

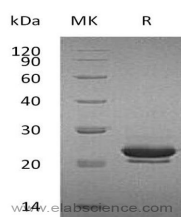
Description

Synonyms	Fibroblast growth factor 17; FGF-17;fgf17
Species	Mouse
Expression Host	E.coli
Sequence	Thr23-Thr216
Accession	P63075
Calculated Molecular Weight	23.7 kDa
Observed molecular weight	20-25 kDa
Tag	C-6His
Bioactivity	Measured in a cell proliferation assay using Balb/3T3 mouse fibroblast cells. The ED50 for this effect is 1.26 ug/ml, in the presence of 10 µg/mL heparin.

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
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 a 0.2 µm filtered solution of 20mM PB, 150mM NaCl,EDTA,DTT, pH 7.4.
Reconstitution	Please refer to the printed manual for detailed information.

Data



Background

FGF-17 is a member of the fibroblast growth factor (FGF) family. FGFs share 30-70% amino acid (aa) identity in a conserved, approximately 120 amino acid core domain. FGFs play multiple roles in biological functions, including angiogenesis, mitogenesis, cell differentiation and wound repair. FGF17 plays an important role in the regulation of embryonic development and as signaling molecule in the induction and patterning of the embryonic brain. It is also

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expressed in hindgut, parts of the developing skeleton, tail bud, major arteries, and heart. In many of these areas, it is expressed along with FGF-8, but slightly later. It is required for normal brain development.