

# Human FGF-18, C-Strep II Tag Protein

HA211584



<b>Product name:</b>	Human FGF-18, C-Strep II Tag
<b>Species reactivity:</b>	Human
<b>Bio-Activity:</b>	Testing in progress.
<b>Protein construction description:</b>	A DNA sequence encoding the human FGF-18 protein (O76093) (Glu 28 -Ala 207) was expressed with a Strep II tag at the C-terminus.

**Background:** Fibroblast growth factor 18 (FGF-18) is a protein that is encoded by the FGF18 gene in humans. The protein was first discovered in 1998, when two newly-identified murine genes Fgf17 and Fgf18 were described and confirmed as being closely related by sequence homology to Fgf8. The three proteins were eventually grouped into the FGF8 subfamily, which contains several of the endocrine FGF superfamily members FGF8, FGF17, and FGF18. Subsequent studies identified FGF18's role in promoting chondrogenesis, and an apparent specific activity for the generation of the hyaline cartilage in articular joints. The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, and tissue repair. It has been shown in vitro that this protein is able to induce the outgrowth of neurites in PC12 cells.

**Purity:** >95% as determined by SDS-PAGE.

**Endotoxin:** Less than 1.0 EU per µg by the LAL method.

**Fragment region:** FGF-18 (28-207)

**Source:** HEK293

**Accession:** O76093

**Predicted molecular mass:** 22.7 kD

**Formulation:** Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.

**Reconstitution:** Reconstitute at 250 µg/ml in sterile water.

**Storage:** Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.

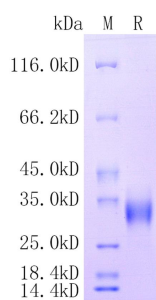
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**Fig1:** Protein on SDS-PAGE under reducing (R) condition.

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**Note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

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