

## Recombinant Human Fibroblast Growth Factor 17 (Human FGF-17)

### Product Information

Product Name	Cat#	Size
	91310ES08	5 µg
Recombinant Human Fibroblast Growth Factor 17 (Human FGF-17)	91310ES60	100 µg
	91310ES76	500 µg

### Product Description

Fibroblast growth factor-17( FGF17) is one of the fibroblast growth factor( FGF) family members and it makes up FGF8 subfamily along with FGF8 and FGF18. Mature human FGF- 17 shares 99% aa identity with mouse, rat, porcine and canine FGF- 17. The FGF domain of FGF- 17 shares the most aa identity with FGF- 8 (~75%) and FGF- 18 (~64%). Among different members of the FGF family, FGF17 and FGF8 share high sequence homology and have similar patterns of expression during embryogenesis. FGF- 17 is also expressed in adult bovine ovarian follicles and the human prostate, and its expression is increased by both benign hypertrophy and cancer of the prostate.

### Product Properties

<b>Synonyms</b>	FGF17, FGF-17, fibroblast growth factor 17
<b>Accession</b>	O60258
<b>GeneID</b>	8822
<b>Source</b>	E.coli-derived human FGF-17 protein, Thr23-Thr216, with an N-terminal Met.
<b>Molecular Weight</b>	Approximately 22.6 kDa.
<b>AA Sequence</b>	MTQGENHPSP NFNQYVRDQG AMTDQLSRRQ IREYQLYSRT SGKHVQVTGR RISATAEDGN KFAKLIVETD TFGSRVRIKG AESEKYICMN KRGKLIKPS GKSKDCVFTE IVLENNYTAF QNDARHEGWFM AFTRQGRPRQ ASRSRQNQRE AHFIKRLYQG QLPFPNHAEK QKQFEFVGSA PTRRTKRTRR PQPLT
<b>Tag</b>	None
<b>Physical Appearance</b>	Sterile Filtered White lyophilized (freeze-dried) powder.
<b>Purity</b>	>95% by SDS-PAGE and HPLC analyses.
<b>Biological Activity</b>	The ED <sub>50</sub> as determined by a cell proliferation assay using murine balb/c 3T3 cells is less than 10 ng/ml, corresponding to a specific activity of >1.0 × 10 <sup>5</sup> IU/mg. Fully biologically active when compared to standard.
<b>Endotoxin</b>	< 0.1 EU per 1µg of the protein by the LAL method.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml. Stock solutions should be apportioned into working aliquots and stored at ≤ -20°C. Further dilutions should be made in appropriate buffered solutions.

### Shipping and Storage

The products are shipped with ice pack and can be stored at -20°C to -80°C for 1 year.

Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

### **Cautions**

1. Avoid repeated freeze-thaw cycles.
2. For your safety and health, please wear lab coats and disposable gloves for operation.
3. For research use only!