



## Product Datasheet

<b>Product Name</b>	Fibroblast Growth Factor-22 Human Recombinant
<b>Cata No</b>	CB500330
<b>Source</b>	<i>Escherichia Coli.</i>
<b>Synonyms</b>	Fibroblast growth factor 22, FGF-22.

### Description

FGF22 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, tissue repair, tumor growth and invasion. The mouse homolog of this gene was found to be preferentially expressed in the inner root sheath of the hair follicle, which suggested a role in hair development.

Fibroblast Growth Factor-22 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 149 amino acids and having a molecular mass of 17.3 kDa. The FGF-22 is purified by chromatographic techniques.

### Physical Appearance

Sterile Filtered white lyophilized powder.

### Purity

Greater than 97.0% as determined by:

(a) Analysis by RP-HPLC.

(b) Analysis by SDS-PAGE.

### Formulation

The sterile protein powder is lyophilized with no additives.

### Stability

Lyophilized Fibroblast Growth Factor 22 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution FGF-22 should be stored at 4°C between 2-7 days and for future use below -18°C.

For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

**Please prevent freeze-thaw cycles.**

### Sequence

MTPSASRGPR SYPHLEGDVR WRRFLFSSTHF  
FLRVDPGGRV QGTRWRHGQD SILEIRSVHV  
GVVVIKAVSS GFYVAMNRRG RLYGSRLYTV  
DCRFREERIEE NGHNTYASQR WRRRGQPMFL  
ALDRRGGPRP GGRTRRYHLS AHFLPVLVS