

## 32-20108: Animal-Free Recombinant Human FGF-10(Discontinued)

**Reactivity :** Human, Mouse

**Alternative Name :** Fibroblast Growth Factor-10, FGFA, Keratinocyte growth factor-2

### Description

**Source:** **E.coli** FGF-10 is a heparin-binding growth factor that belongs to the FGF family. Proteins of this family play a central role during prenatal development, postnatal growth and regeneration of a variety of tissues, by promoting cellular proliferation and differentiation. FGF-10 is most related to KGF/FGF-7, and is expressed during the development and, preferentially, in adult lungs. It signals through FGFR 2b. Recombinant Human FGF-10 is a 19.3 kDa protein consisting of 170 amino acid residues.

### Product Info

**Amount :** 5 µg / 25 µg

**Purification :** Purity:  $\geq 95\%$  by SDS-PAGE gel and HPLC analyses.

**Content :** This recombinant protein is supplied in lyophilized form.

**Amino Acid :** MLGQDMVSPE ATNSSSSSFS SPSSAGRHVR SYNHLQGDVR WRKLFSTKY FLKIEKNGKV SGTKKENCYP  
SILEITSVEI GVVAVKAINS NYLAMNKKG KLYGSKEFNN DCKLKERIEE NGYNTYASFN WQHNGRQMYV  
ALNGKGAPRR GQKTRRKNTS AHFLPMVVHS

### Application Note

Determined by the dose-dependent stimulation of thymidine uptake by BaF3 cells expressing FGF receptors. The expected  $ED_{50}$  is  $\leq 0.5$  ng/ml corresponding to a specific activity of  $\geq 2 \times 10^6$  units/mg.