



Recombinant Protein Technical Manual  
Recombinant Human FGF2/FGF12 Protein (Active)  
RPES3844

### Product Data:

**Product SKU:** RPES3844

**Size:** 10µg

**Species:** Human

**Expression host:** E. coli

**Uniprot:** P61328-2

### Protein Information:

**Molecular Mass:** 20.5 kDa

**AP Molecular Mass:** 19 kDa

**Tag:**

**Bio-activity:** Immobilized Human FGF2 at 2ug/ml(100 µl/well) can bind Human FGFR3-Fc(Cat: PKSH033678). The ED50 of Human FGF2 is 1.27 ug/ml .

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

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** 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, 5mM EDTA, pH 7.5.

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:** Functional ELISA

**Synonyms:** Fibroblast Growth Factor 12; FGF2; Fibroblast Growth Factor Homologous Factor 1; FHF; Myocyte-Activating Factor; FGF12; FGF12B; FHF1

## Immunogen Information:

**Sequence:** Met 1-Thr181

## Background:

Fibroblast Growth Factor 12 (FGF2) is a member of the fibroblast growth factor (FGF) family. FGF2 is probably involved in nervous system development and function. FGF2 lacks the N-terminal signal sequence present in most of the FGF family members, but it contains clusters of basic residues that have been demonstrated to act as a nuclear localization signal. When transfected into mammalian cells, this protein accumulated in the nucleus, but was not secreted. The specific function of this gene has not yet been determined. Two alternatively spliced transcript variants encoding distinct isoforms have been reported.