TheWell BIOSCIENCE

Product Data Sheet

CytoGrow™ Recombinant FGF-4 (Human)

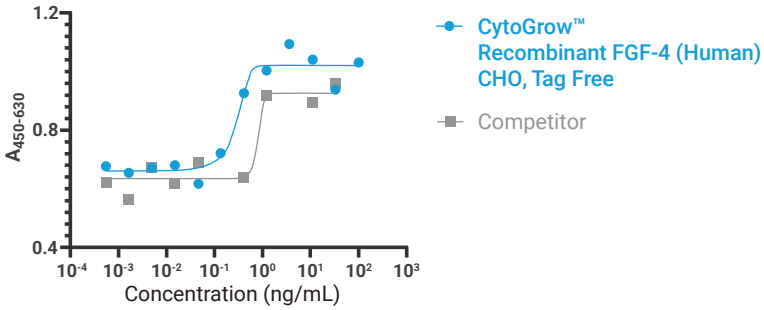
Catalog Numbers: CG018-A, CG018-B, CG018-C

Revision 1.0

Specifications

Synonym	Fibroblast growth factor 4; FGF-4; Heparin secretory-transforming protein 1; HST; HST-1; HSTF-1; Heparin-binding growth factor 4; HBGF-4; Transforming protein KS3; FGF4; HST; HSTF1; KS3
Species	Human
Size	10μg/50μg/1mg
Tag	Tag Free
Purity	≥95%, by SDS-PAGE (under reducing (R) & Non-reducing conditions, visualized by Coomassie staining)
Endotoxin	≤10 EU/mg by the LAL method
Expression System	CHO
Expression Region	Ala31-Leu206
pH	7.0-8.0
Appearance	White powder, Colorless clear liquid after reconstitution
Formulation	Lyophilized from a 0.22 μm-filtered solution containing PBS, 5% mannitol and 0.01% Tween 80, pH 7.4
Shipping	The product is shipped with blue ice.
Reconstitution	It is recommended to redissolve in sterile deionized water.
Storage and Stability	Lyophilized state: 36 months at -20°C to -80°C After reconstitution and under sterile conditions. 6 months at -20°C to -80°C 7-10 days at 2°C to 8°C Store in a manual defrost freezer and avoid repeated freeze-thaw cycles.

Bioactivity



Biological activity is assessed based on the stimulation of NIH3T3 cell proliferation. The expected ED_{50} is between 0.25–1 ng/mL.

Reconstitution

1. Reconstitute protein to concentrations of 100 ug/mL or higher.
2. Use sterile deionized water to solubilize the lyophilized protein.
3. Gently tap glass vial to help collect the powder to the bottom.
4. Add desired amount of buffer, observe after 2 min. Gentle agitation by hand may be required.
5. Prepare aliquots of solution. Freeze at −20°C to −80°C to avoid repeated freeze thaw cycles.