

Recombinant Human FGF-4 Protein

Specifications

Product name	Cat.No.	Size
Recombinant Human FGF-4 Protein	91303ES08	5 µg
	91303ES50	50 µg
	91303ES60	100 µg
	91303ES76	500 µg

Description

The fibroblast growth factor-4 (FGF-4) gene was identified as HST-1 gene from human stomach cancers and Kaposi's sarcoma by a NIH3T3 transforming assay. FGF-4 has pleiotropic roles in many cell types and tissues, it is a mitogenic, angiogenic and survival factor, which is involved in cell proliferation and differentiation and in a variety of development processes.

Product information

Synonyms	HST, HST-1, HSTF-1, HBGF-4, Transforming Protein KS3, KFGF
Uniprot No.	P08620
Source	E.coli-derived human FGF-4, Ser54-Leu206.
Molecular Weight	Approximately 16.8 kDa.
Purity	> 95% as determined by SDS-PAGE.
Endotoxin	<0.1 EU per 1µg of the protein by the LAL method.
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in PBS.
Reconstitution	Centrifuge tubes before opening. Dissolve lyophilized protein with PBS to ensure the concentration is greater than 100 µg/mL. Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

Storage

The product should be stored at -25~-15°C for 1 year from date of receipt.

2-7 days, 2~8 °C under sterile conditions after reconstitution.

3 months, -25~-15°C under sterile conditions after reconstitution.

Notes

1. Please operate with lab coats and disposable gloves, for your safety.
2. This product is for research use only.

Assay data

SDS-PAGE

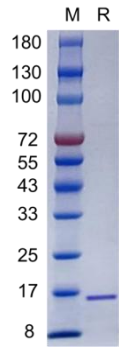


Figure 1. Human FGF-4 on SDS-PAGE under reduced condition. The purity is greater than 95%.

Bioactivity-Cell based assay

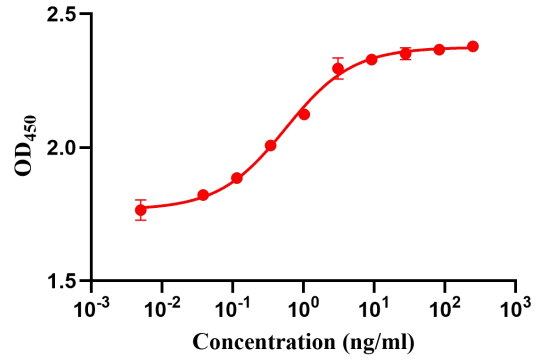


Figure 2. The ED₅₀ as determined by a cell proliferation assay using murine balb/c 3T3 cells is less than 1 ng/mL, corresponding to a specific activity of $> 1.0 \times 10^6$ IU/mg.