

RMCH095**Recombinant FGF-6 (Fibroblast growth factor-6), Human, AF** 5ug;20ug;100ug;500ug;

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Synonym/Alternative**name(s):**

HBGF-6,

HST-2

Activity:

Measure by its ability to induce 3T3 cells proliferation.

The ED50 for this effect is <0.1 ng/mL.

The specific activity of recombinant human FGF-6 is > 1 x 10⁷ IU/mg.**Protein Description:**

FGF-6 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. FGF-6 is upregulated in injured skeletal muscle and is required for muscle regeneration. FGF-6 inhibits the terminal differentiation of myoblasts and also cooperates with TGF-beta 2 to promote chondrogenesis in embryonic somites.

Protein Accession : P10767.4**Gene ID :** 2251**Expression Sequence:**

MGTRANNTLLDSRGWGTLRSRAGLAGEIAGVNWESGYLVGIKQRRLYCNVIGIFHLQVLPDGRISGTHEENPYSLLEISTVERGVV
SLFGVRSALFVAMNSKGRLYATPSFQEECKFRETLPPNNYNAYESDLYQGTYIALSKYGRVKRGSKVSPIMTVTHFLPRI with
polyhistidine tag at the C-terminus.

Fusion tag : His-tag?at?the?C-terminus**Species :** Human**Reactivity :** Human**Expression Host :** Escherichia coli**Source :** E. coli**Purity/method:**

>98% as determined by SDS-PAGE. Ni-NTA chromatography

Endotoxin level:

<0.1 EU per 1 µg of the protein by the LAL method.

Calculated Molecular Weight : 19.66 kDa**Formulation:**

The protein was lyophilized from a solution containing 20 mM sodium citrate, 0.2 M NaCl, pH 3.5.

Reconstitution:It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.**Shipping :** Blue Ice

Stability and Storage:

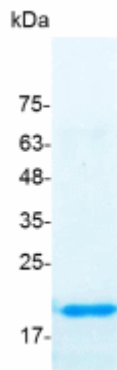
Lyophilized protein should be stored at -20°C for 1 year.

Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1%

BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months.

Category : Cytokines

Application : Cell culture, Elisa

Image:

SDS- PAGE analysis of recombinant human FGF-6