

Active Recombinant Human FGF6 protein, His-GST-tagged

Cat. No. FGF6-644H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human FGF6 protein(P10767)(41~208 aa), fused with N-terminal His tag and GST tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	41-208 aa
Form	Lyophilized from sterile 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Bio-activity	Fibroblast growth factor 6 (FGF6) 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. It may also play a important role in muscle regeneration or differentiation. Besides, Fibroblast Growth Factor Receptor 1 (FGFR1) has been identified as an interactor of FGF6, thus a binding ELISA assay was conducted to detect the interaction of recombinant human FGF6 and recombinant human FGFR1. Briefly, FGF6 were diluted serially in PBS with 0.01% BSA (pH 7.4). Duplicate samples of 100uL were then transferred to FGFR1-coated microtiter wells and incubated for 2h at 37°C. Wells were washed with PBST and incubated for 1h with anti-FGF6 pAb, then aspirated and washed 3 times. After incubation with HRP labelled secondary antibody, wells were aspirated and

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washed 3 times. With the addition of substrate solution, wells were incubated 15-25 minutes at 37°C. Finally, add 50µ stop solution to the wells and read at 450nm immediately. The binding activity of FGF6 and FGFR1 was shown, and this effect was in a dose dependent manner.

Molecular Mass	48.4kDa
Endotoxin	<1.0EU per 1µg (determined by the LAL method).
Purity	> 90% as determined by SDS-PAGE.
Storage	Avoid repeated freeze/thaw cycles. Store at -20°C for 12 months. Aliquot and store at -80°C for 12 months.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	FGF6 fibroblast growth factor 6 [Homo sapiens]
Official Symbol	FGF6
Synonyms	FGF6; fibroblast growth factor 6; FGF-6; HST-2; HSTF-2; heparin-binding growth factor 6; heparin secretory-transforming protein 2; HST2; HBGF-6;
Gene ID	2251
mRNA Refseq	NM_020996
Protein Refseq	NP_066276

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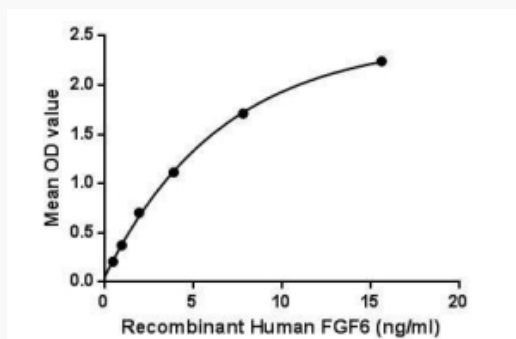
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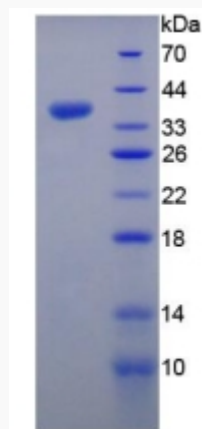
MIM 134921

UniProt ID P10767

Activity



SDS-PAGE



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