

Recombinant Human FGF7 293 Cell Lysate

Cat. No. FGF7-6236HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for fibroblast growth factor 7 (keratinocyte growth factor) (FGF7) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Applications ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name FGF7 fibroblast growth factor 7 [Homo sapiens]

Official Symbol FGF7

Synonyms FGF7; fibroblast growth factor 7; fibroblast growth factor 7 (keratinocyte growth factor); keratinocyte growth factor; KGF; FGF-7; heparin-binding growth factor 7; HBGF-7;

Gene ID 2252

mRNA Refseq NM_002009

Protein Refseq NP_002000

MIM 148180

UniProt ID P21781

Chromosome Location 15q21.2

Pathway Downstream signaling of activated FGFR, organism-specific biosystem; FGFR ligand binding and activation, organism-specific biosystem; FGFR2 ligand binding and activation, organism-specific biosystem; FGFR2b ligand binding and activation, organism-specific biosystem; FRS2-mediated cascade, organism-specific biosystem;

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Glypican 3 network, organism-specific biosystem; IRS-mediated signalling, organism-specific biosystem;

Function

chemoattractant activity; growth factor activity; heparin binding; type 2 fibroblast growth factor receptor binding;

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