

Human FGF7/KGF ELISA Kit | FGF7 elisa kit

Human FGF7/KGF PicoKine ELISA Kit

CATALOG #
AAA45589

REACTIVITY
Human

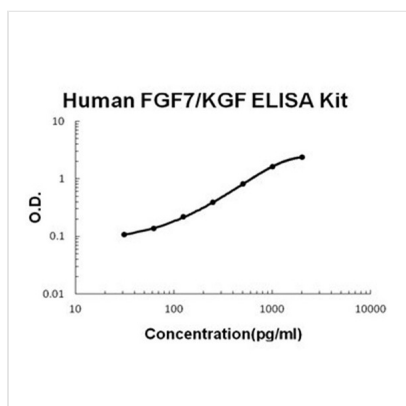
PRODUCT SYNONYMS

FGF7/KGF; Human FGF7/KGF PicoKine ELISA Kit; Fibroblast growth factor 7; fibroblast growth factor 7; FGF 7; HBGF 7; Heparin binding growth factor 7; Keratinocyte growth factor; KGF; OTTMUSP00000016341; OTTMUSP00000016342; RP23-386I21.3; FGF7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human FGF7
Sequence Length	194
Samples	Cell culture supernates, serum and plasma (heparin, EDTA, citrate)
Assay Type	Sandwich
Detection Range	31.2pg/ml-2000pg/ml
Sensitivity	< 4pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Human FGF7/KGF PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for FGF7 elisa kit	Principle of the assay: human FGF7 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for FGF7 has been precoated onto 96-well plates. Standards(E.coli, C32-T194) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for FGF7 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the human FGF7 amount of sample captured in plate. Background: Keratinocyte growth factor is a protein that in humans is encoded by the FGF7 gene. The protein encoded by this gene 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. This protein is a potent epithelial cell-specific growth factor, whose mitogenic activity is predominantly exhibited in keratinocytes but not in fibroblasts and endothelial cells. Studies of mouse and rat homologs of this gene implicated roles in morphogenesis of epithelium, reepithelialization of wounds, hair development and early lung organogenesis.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	122756
NCBI GeneID	2252
UniProt Accession #	P21781; Q6FGV5; Q96FG5; H0YNY5
Molecular Weight	11,520 Da
NCBI Official Full Name	Fibroblast growth factor 7
NCBI Official Synonym Full Names	fibroblast growth factor 7
NCBI Official Symbol	FGF7
NCBI Official Synonym Symbols	KGF; HBGF-7
NCBI Protein Information	fibroblast growth factor 7; FGF-7; keratinocyte growth factor; heparin-binding growth factor 7
UniProt Protein Name	Fibroblast growth factor 7
UniProt Gene Name	FGF7
UniProt Synonym Gene Names	KGF; FGF-7; HBGF-7
UniProt Entry Name	FGF7_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.