

Datasheet for KOA0490**Human FGF7 - KGF ELISA Kit****Overview**

Description:	Human FGF7/KGF AccuSignal ELISA Kit - KOA0490
Item No.:	KOA0490
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	31.2 pg/ml - 2000 pg/ml

Product Details

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.
Synonyms:	FGF 7, Fibroblast growth factor 7, HBGF 7, Heparin binding growth factor 7, Keratinocyte growth factor, KGF, OTTMUSP00000016341, OTTMUSP00000016342, RP23-386I21.3
Detection Kit Type:	ELISA Kit
Detection Range:	31.2 pg/ml - 2000 pg/ml
Sensitivity:	<4 pg/ml

Target Details

Gene Name:	FGF7
Reactivity:	Human
Immunogen:	Expression system for standard: E.coli; Immunogen sequence: C32-T194

Purity/Specificity: Natural and recombinant human FGF7. There is no detectable cross-reactivity with other relevant proteins.

Relevant Links:

- [UniProtKB - P21781](#)
- [NCBI - NP_002000.1](#)
- [GeneID - 2252](#)
- [KOA0490 Protocol](#)

Application Details

Tested Applications: ELISA

Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 2000pg/ml, 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml, 31.2pg/ml human FGF7 standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of human cell culture supernates, serum or plasma (heparin, EDTA, citrate) to each empty well. It is recommended that each human FGF7 standard solution and each sample be measured in duplicate.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 31.2pg/ml-2000pg/ml

Other: Expiration Date:
2-8° C - 07/08/2026
-20° C - 01/08/2027

Formulation

Concentration: 1 Kit

Anticoagulant: Heparin Sodium

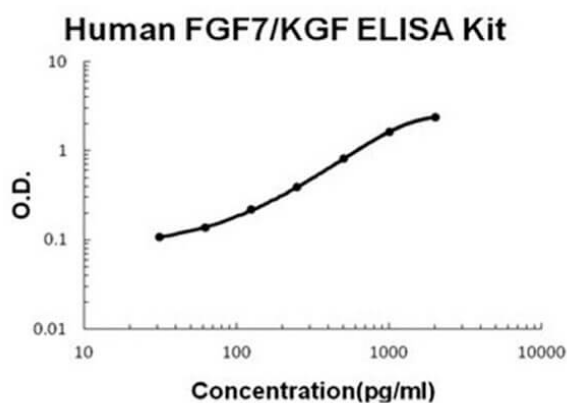
Shipping & Handling

Shipping Condition: Wet Ice

Storage Condition: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

Expiration: See kit insert for complete instructions.

Images



ELISA

Human FGF7/KGF AccuSignal ELISA Kit standard curve. Assay Range: 31.2pg/ml-2000pg/ml. Sensitivity: <4pg/ml.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.