Fibroblast Growth Factor 6 (FGF6) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	fibroblast growth factor 6 (FGF6), ELISA Kit
Full Product Name	Human fibroblast growth factor 6, FGF6 ELISA Kit
Product Gene Name	FGF6 elisa kit
Product Synonym Names	Human fibroblast growth factor 6 (FGF6) ELISA kit; HBGF-6; HST2; ; fibroblast growth factor 6
Species Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human FGF6. No significant cross-reactivity or interference between Human FGF6 and analogues was observed.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Molecular Weight	22,905 Da
OMIM	134921
3D Structure	ModBase 3D Structure for P10767
Detection Wavelength	450 nm
Sample Volume	50-100ul
Protein Biological Process 1	Angiogenesis
Protein Biological Process 3	Angiogenesis
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for FGF6 elisa kit	MBS700019 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the fibroblast growth factor 6 (FGF6) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing FGF6. The ELISA analytical biochemical technique of the MBS700019 kit is based on FGF6 antibody-FGF6 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect FGF6 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, FGF6. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of FGF6 elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FGF6. It may not necessarily be applicable to this product.

NCBI GI #	15147343
NCBI GeneID	2251
NCBI Accession #	NP_066276.2

UniProt Primary Accession #	P10767
UniProt Secondary Accession #	Q0VAE1
UniProt Related Accession #	P10767
GenBank Nucleotide #	NM_020996.1
NCBI Official Full Name	fibroblast growth factor 6
NCBI Official Synonym Full Names	fibroblast growth factor 6
NCBI Official Symbol	FGF6
NCBI Official Synonym Symbols	HST2; HBGF-6
UniProt Protein Name	Fibroblast growth factor 6
UniProt Synonym Protein Names	Heparin secretory-transforming protein 2; HST-2; HSTF-2; Heparin-binding growth factor 6; HBGF-6
Protein Family	Fibroblast growth factor
UniProt Gene Name	FGF6
UniProt Synonym Gene Names	HST2; HSTF2; FGF-6; HST-2; HSTF-2; HBGF-6
UniProt Entry Name	FGF6_HUMAN
NCBI Protein Information	fibroblast growth factor 6; FGF-6; HST-2; HSTF-2; heparin-binding growth factor 6; heparin secretory-transforming protein 2
NCBI Summary for FGF6	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 gene displayed oncogenic transforming activity when transfected into mammalian cells. The mouse homolog of this gene exhibits a restricted expression profile predominantly in the myogenic lineage, which suggested a role in muscle regeneration or differentiation. [provided by RefSeq, Jul 2008]
UniProt Comments for FGF6	**Function:** Plays an important role in the regulation of cell proliferation, cell differentiation, angiogenesis and myogenesis, and is required for normal muscle regeneration.1 PublicationManual assertion based on experiment in:Ref.6
Research Articles on FGF6	**1.** These data demonstrate that FGF-6 may be considered a regulator of bone metabolism as shown by its activity on both osteoblasts and osteoclasts.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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