FGF15 ELISA Kit

PRODUCT OVERVIEW

Product Name	FGF15, ELISA Kit
Full Product Name	Mouse FGF15 ELISA Kit
Product Gene Name	FGF15 elisa kit
Samples	Serum, Plasma, Tissue Homogenates, Cell Lysates, Cell Culture Supernates or Other Biological Fluids
Detection Range	31.2pg/ml-2000pg/ml
Sensitivity	12.4pg/ml
Molecular Weight	25,236 Da
3D Structure	ModBase 3D Structure for O35622
Detection Method	Colorimetric
Product Categories/Family for FGF15 elisa kit	ELISA Kits
Applications Tested/Suitable for FGF15 elisa kit	ELISA (EIA)
Related Product Information for FGF15 elisa kit	Competitive Inhibition Enzyme Immunoassay for quantitative detection of Mouse FGF15 concentrations
Other Notes	Small volumes of FGF15 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.
Searchable Terms for FGF15 purchase	MBS8310693 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the FGF15, 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 FGF15. The ELISA analytical biochemical technique of the MBS8310693 kit is based on FGF15 antibody-FGF15 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect FGF15 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, FGF15. 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(%).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FGF15. It may not necessarily be applicable to this product.

NCBI GI #	6679777
NCBI GeneID	14170
NCBI Accession #	NP_032029.1
UniProt Primary Accession #	O35622
UniProt Related Accession #	O35622
GenBank Nucleotide #	NM_008003.2
NCBI Official Full Name	fibroblast growth factor 15
NCBI Official Synonym Full Names	fibroblast growth factor 15

NCBI Official Symbol	Fgf15
NCBI Official Synonym Symbols	FGF19
UniProt Protein Name	Fibroblast growth factor 15
Protein Family	Fibroblast growth factor
UniProt Gene Name	Fgf15
UniProt Synonym Gene Names	FGF-15
UniProt Entry Name	FGF15_MOUSE
NCBI Protein Information	fibroblast growth factor 15; FGF-15
UniProt Comments for FGF15	FGF19: Involved in the suppression of bile acid biosynthesis through down-regulation of CYP7A1 expression, following positive regulation of the JNK and ERK1/2 cascades. Stimulates glucose uptake in adipocytes. Activity requires the presence of KLB and FGFR4. Belongs to the heparin-binding growth factors family. Protein type: Cytokine; Secreted; Secreted, signal peptide; Motility/polarity/chemotaxis; Cell development/differentiation Cellular Component: extracellular region Molecular Function: protein binding; growth factor activity; fibroblast growth factor receptor binding; receptor binding Biological Process: positive regulation of glucose import; fibroblast growth factor receptor signaling pathway; heart development; positive regulation of cell proliferation; positive regulation of JNK cascade; positive regulation of protein amino acid phosphorylation; neural crest cell migration
Research Articles on FGF15	**1.** results suggest that FGF15 deficiency severely impairs liver regeneration in mice after PHx. The underlying mechanism is likely the result of disrupted bile acid homeostasis and impaired priming of hepatocyte proliferation.
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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