Chemokine Like Factor (CKLF) ELISA Kit for Fish

PRODUCT OVERVIEW

Product Name	Chemokine Like Factor (CKLF), ELISA Kit
Full Product Name	Fish Chemokine Like Factor ELISA Kit
Product Gene Name	CKLF elisa kit
Species Reactivity	Fish
Assay Type	Sandwich
Preparation and Storage	Store all reagents at 2-8 degree C
Molecular Weight	17,170 Da
Chromosome Location	Chromosome: 16; NC_000016.9 (66586466..66600190). Location: 16q21
3D Structure	ModBase 3D Structure for Q9UBR5
Related Product Information for CKLF elisa kit	MBS045243 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Chemokine Like Factor (CKLF) 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 CKLF. The ELISA analytical biochemical technique of the MBS045243 kit is based on CKLF antibody-CKLF antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect CKLF antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, CKLF. 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 CKLF 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 CKLF. It may not necessarily be applicable to this product.

NCBI GI #	93141024
NCBI GeneID	51192
NCBI Accession #	NP_001035228.1
UniProt Primary Accession #	Q9UBR5
UniProt Secondary Accession #	Q9UHM7; Q9UHN8; Q9UI41; C9JE38
UniProt Related Accession #	Q9UBR5
GenBank Nucleotide #	NM_001040138.2
NCBI Official Full Name	chemokine-like factor isoform e
NCBI Official Synonym Full Names	chemokine-like factor
NCBI Official Symbol	CKLF
NCBI Official Synonym Symbols	C32; CKLF1; CKLF2; CKLF3; CKLF4; UCK-1; HSPC224
UniProt Protein Name	Chemokine-like factor
UniProt Synonym Protein Names	C32

Protein Family	Chemokine-like factor
UniProt Gene Name	CKLF
UniProt Synonym Gene Names	CKLF1
UniProt Entry Name	CKLF_HUMAN
NCBI Protein Information	chemokine-like factor; chemokine-like factor 1; chemokine-like factor 2; chemokine-like factor 3; chemokine-like factor 4; transmembrane proteolipid
NCBI Summary for CKLF	The product of this gene is a cytokine. Cytokines are small proteins that have an essential role in the immune and inflammatory responses. This gene is one of several chemokine-like factor genes located in a cluster on chromosome 16. The protein encoded by this gene is a potent chemoattractant for neutrophils, monocytes and lymphocytes. It also can stimulate the proliferation of skeletal muscle cells. This protein may play important roles in inflammation and in the regeneration of skeletal muscle. Alternatively spliced transcript variants encoding different isoforms have been identified. Naturally occurring read-through transcription occurs between this locus and the neighboring locus CMTM1 (CKLF-like MARVEL transmembrane domain containing 1).[provided by RefSeq, Feb 2011]
UniProt Comments for CKLF	CKLF: May play an important role in inflammation and regeneration of skeletal muscle. Partly inhibited by interleukin 10. Belongs to the chemokine-like factor family. 5 isoforms of the human protein are produced by alternative splicing. Protein type: Motility/polarity/chemotaxis; Chemokine; Membrane protein, integral; Membrane protein, multi-pass Chromosomal Location of Human Ortholog: 16q21 Cellular Component: extracellular space; membrane; extracellular region; integral to membrane Molecular Function: chemokine activity Biological Process: cell proliferation; neutrophil chemotaxis; macrophage chemotaxis; lymphocyte chemotaxis; secretion by cell
Research Articles on CKLF	**1.** The expression of CKLF1 is up-regulated in atherosclerotic plaques.
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