

# HCC-2, LKN-1

Catalog # PVGS1412

## Specification

# HCC-2, LKN-1 - Product Information

Primary Accession **Species** Human

Sequence QFTNDAETEL MMSKLPLENP VVLNSFHFAA DCCTSYISQS IPCSLMKSYF ETSSECSKPG VIFLTKKGRQ VCAKPSGPGV QDCMKKLKPY SI

016663

**Purity** > 95% by SDS-PAGE analysis.

**Endotoxin Level** < 0.2 EU/ μg, determined by LAL method.

Formulation

Lyophilized after extensive dialysis against PBS.

Reconstituted in ddH<sub>2</sub>0 at 100 µg/mL.

## HCC-2, LKN-1 - Additional Information

Gene ID 6359

**Other Names** C-C motif chemokine 15, Chemokine CC-2, HCC-2, Leukotactin-1, LKN-1, MIP-1 delta, Macrophage inflammatory protein 5, MIP-5, Mrp-2b, NCC-3, Small-inducible cytokine A15, CCL15(22-92), CCL15(25-92), CCL15(29-92), CCL15, MIP5, NCC3, SCYA15

#### Target Background

<br/><b>Macrophage Inflammatory Protein-5 (MIP-5/CCL15)</b> is a chemokine originally identified in the human hemofiltrate, thus it is also named Hemofiltrate CC Chemokine-2 (HCC-2). MIP-5 belongs to the CCL chemokine family, and its receptors are G-protein coupled receptors CCR1 and CCR3, with CCR1 being the major one. MIP-5 is mainly expressed in heart and skeletal muscle, and CCR1 is expressed on Th1 and Th2 cells in human cord blood lymphocytes. In <i>vivo</i>, MIP-5 promotes the accumulation of immature myeloid cells and the expansion of metastatic foci in the lever. MIP-5 contributes to severe asthma, sarcoidosis, and atherosclerosis;however, MIP-5 can also inhibit stem cell proliferation, implicating its therapeutic potential as an alternative to high dose chemotherapy.<br/>br>Recombinant <br/>inal coll properties chain containing 92 amino acids. A fully biologically active molecule, rhMIP-5/CCL15 has a molecular mass of 10.2 kDa analyzed by reducing SDS-PAGE and is obtained by chromatographic techniques at .

## HCC-2, LKN-1 - Protein Information



## Name CCL15

Synonyms MIP5, NCC3, SCYA15

Function

Chemotactic factor that attracts T-cells and monocytes, but not neutrophils, eosinophils, or B-cells. Acts mainly via CC chemokine receptor CCR1. Also binds to CCR3. CCL15(22-92), CCL15(25-92) and CCL15(29-92) are more potent chemoattractants than the CCL15.

Cellular Location Secreted.

**Tissue Location** 

Most abundant in heart, skeletal muscle and adrenal gland. Lower levels in placenta, liver, pancreas and bone marrow CCL15(22-92), CCL15(25-92) and CCL15(29-92) are found in high levels in synovial fluids from rheumatoid patients.

### HCC-2, LKN-1 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

HCC-2, LKN-1 - Images