

Datasheet for ABIN7193989

## CCL1 Protein (His-Avi Tag,Biotin)



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### Overview

Quantity:	100 µg
Target:	CCL1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CCL1 protein is labelled with His-Avi Tag,Biotin.

### Product Details

Purpose:	Biotinylated Human CCL1 / I-309 / C-C motif chemokine 1 Protein, His,Avitag™ (MALS verified)
Sequence:	Lys 24 - Lys 96
Characteristics:	Biotinylated Human CCL1, His,Avitag is expressed from human 293 cells (HEK293). It contains AA Lys 24 - Lys 96 (Accession # P22362-1).
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.
Grade:	MALS verified

### Target Details

Target:	CCL1
Alternative Name:	CCL1 / I-309 / C-C motif chemokine 1 ( <a href="#">CCL1 Products</a> )
Background:	Synonyms: CCL1/I-309/C-C motif chemokine 1,

## Target Details

Description: Chemokines form a superfamily of secreted proteins involved in immunoregulatory and inflammatory processes. The superfamily is divided into four subfamilies based on the arrangement of the N-terminal cysteine residues of the mature peptide. CCL1, a member of the CC subfamily, is secreted by activated T cells and displays chemotactic activity for monocytes but not for neutrophils. It binds to the chemokine (C-C motif) receptor 8.

Molecular Weight: 12.1 kDa

## Application Details

Application Notes: This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag™). The protein has a calculated MW of 12.1 kDa. The protein migrates as 15 kDa and 17-19 kDa under reducing (R) condition due to glycosylation.

Comment: Ready-to-use Avitag™ biotinylated protein:  
The product is exclusively produced using the Avitag™ technology. Briefly, a unique 15 amino acid peptide, the Avi tag, is introduced into the recombinant protein during expression vector construction. The single lysine residue in the Avi tag is enzymatically biotinylated by the E. Coli biotin ligase BirA.  
  
This single-point enzymatic labeling technique brings many advantages for commonly used binding assays. The biotinylation happens on the lysine residue of Avi tag, and therefore does NOT interfere with the target protein's natural binding activities. In addition, when immobilized on an avidin-coated surface, the protein orientation is uniform because the position of the Avi tag in the protein is precisely controlled.

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Buffer: PBS, pH 7.4

Storage: -20 °C

Storage Comment: For long term storage, the product should be stored at lyophilized state at -20°C or lower.