

Datasheet for ABIN7566046

CCL5 Protein (AA 24-91) (His tag)[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	CCL5
Protein Characteristics:	AA 24-91
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CCL5 protein is labelled with His tag.

Product Details

Purpose:	CCL5 (human) (rec.) (His)
Cross-Reactivity:	Human
Characteristics:	Human CCL5 (aa 24-91) is fused at the C-terminus to a His-tag.
Purity:	>98 % (SDS-PAGE)
Sterility:	Sterile filtered
Endotoxin Level:	<0.1EU/µg protein (LAL test, Lonza).

Target Details

Target:	CCL5
Alternative Name:	CCL5 (CCL5 Products)
Background:	C-C Motif Chemokine 5, Eosinophil Chemotactic Cytokine, EoCP, Small-inducible Cytokine A5, T

Target Details

Cell-specific Protein P228, TCP228, T Cell-specific Protein RANTES

CCL5, also known as RANTES (Regulated upon Activation Normal T cell Expressed and Secreted), is an 8 kDa beta-chemokine that plays a primary role in the inflammatory immune response by means of its ability to attract and activate leukocytes. Human and mouse RANTES exhibit cross-species activity on human and mouse cells. CCL5 is secreted by many cell types at inflammatory sites and it exerts a wide range of activities through the receptors CCR1, CCR3, CCR4 and CCR5. In humans, CCR5 binding to CCL5 inhibits the infectivity of R5 (M-tropic) but not X4 (T-tropic) strains of HIV-1. The deposition of CCL5 on activated vascular endothelial cells is crucial for monocyte adhesion to damaged vasculature, but CCL5 oligomerization is not required for the extravasation of adherent leukocytes. CCL5 is upregulated in breast cancer and promotes tumor progression through the attraction of proinflammatory macrophages in addition to its actions on tumor cells, stromal cells and the vasculature.

Pathways: [Cellular Response to Molecule of Bacterial Origin, Regulation of G-Protein Coupled Receptor Protein Signaling, Smooth Muscle Cell Migration](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from 0.2µm-filtered solution in PBS (pH 7.4).

Handling Advice: Avoid freeze/thaw cycles.Centrifuge lyophilized vial before opening and reconstitution.

Storage: 4 °C,-20 °C

Storage Comment: Short Term Storage: +4°C
Long Term Storage: -20°C
Use & Stability: Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.