

# Biotinylated Human CCR2b Protein-VLP

Cat. No. CCR-HM02BB

## Description

<b>Source</b>	Recombinant Biotinylated Human CCR2b Protein-VLP is expressed from HEK293. It contains Met1-Leu360.
<b>Accession</b>	P41597-2
<b>Molecular Weight</b>	The target protein has a predicted MW of 42.9kDa.
<b>Endotoxin</b>	Less than 1EU per $\mu$ l by the LAL method.
<b>Purity</b>	> 95% as determined by HPLC

## Formulation and Storage

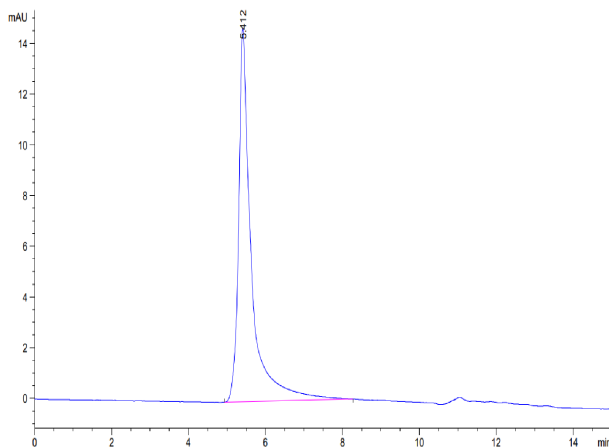
<b>Formulation</b>	Supplied as 0.22 $\mu$ m filtered solution in PBS, 300mM L-Arginine (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

The chemokine (C-C motif) receptor 2B (CCR2B) is one of the two isoforms of the receptor for monocyte chemoattractant protein-1 (CCL2), the major chemoattractant for monocytes, involved in an array of chronic inflammatory diseases. The actin-binding protein filamin A (FLNa) as a protein that associates with the carboxyl-terminal tail of CCR2B. FLNa emerges as an important protein for controlling the internalization and spatial localization of the CCR2B receptor in different dynamic membrane structures.

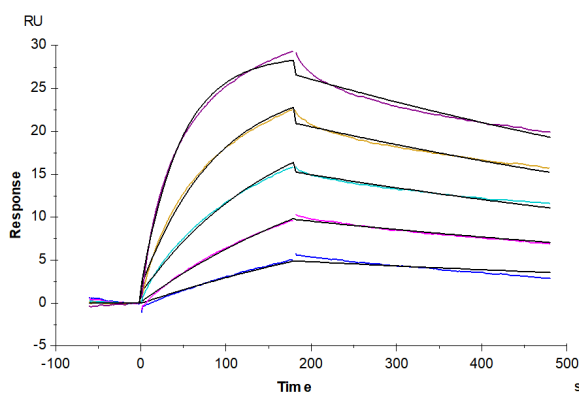
## Assay Data

### SEC-HPLC



The purity of Biotinylated Human CCR2b VLP is greater than 95% as determined by SEC-HPLC.

### SPR Data



Biotinylated Human CCR2b VLP captured on SA Chip can bind Anti-CCR2b Antibody with an affinity constant of 5.24 nM as determined in SPR assay (Biacore T200).