

## Product Information

### MemDX™ Membrane Protein Human XCR1 (X-C motif chemokine receptor 1) for Antibody

#### Discovery

Cat. No.: **MP1366J**

This product is for research use only and is not intended for diagnostic use.

This product is a 38.5 kDa Human XCR1 membrane protein expressed in E.coli. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

#### Product Specifications

##### Host Species

Human

##### Target Protein

XCR1

##### Protein Length

Full-length

##### Protein Class

GPCR

##### Molecular Weight

38.5 kDa

##### TMD

7

##### Sequence

MESSGNPESTTFFYYDLQSQPCENQAWVFATLATTVLYCLVFLLSLVGNSLVLVWLVKYE  
SLESLTNIFILNLCLSDLVFACLLPVWISPYHWGWVLGDFLCKLLNMIFSISLYSSIFFL  
TIMTIHRYLSVVSPLSTLRVPTLRCRVLVTMAVWVASILSSILDITIFHKVLSSGCDYSEL  
TWYLTSVYQHNLFFLLSLGILFCYVEILRTLFRSRSKRRHRTVKLIFAIVVAYFLSWG  
YNFTLFLQTLFRTQIIRSCEAKQQLEYALLICRNLAFSHCCFNPVLYVFVGKFRTHLKH  
VLRQFWFCRLQAPSPASIPHSPGAFAYEGASFY

#### Product Description

##### Expression Systems

E.coli

##### Tag

N-10xHis

**Form**

Lyophilized powder

**Reconstitution**

Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration).

**Purity**

>85% as determined by SDS-PAGE

**Buffer**

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

**Storage**

Store at +4°C for up to one week or several months at -80°C

**Target****Target Protein**

XCR1

**Full Name**

X-C motif chemokine receptor 1

**Introduction**

The protein encoded by this gene is a chemokine receptor belonging to the G protein-coupled receptor superfamily. The family members are characterized by the presence of 7 transmembrane domains and numerous conserved amino acids. This receptor is most closely related to RBS11 and the MIP1- $\alpha$ /RANTES receptor. It transduces a signal by increasing the intracellular calcium ions level. The viral macrophage inflammatory protein-II is an antagonist of this receptor and blocks signaling. Several alternatively spliced transcript variants encoding the same protein have been found for this gene.

**Alternative Names**

CCXCR 1; Chemokine (C motif) receptor 1; Chemokine (C motif) XC receptor 1; Chemokine XC receptor 1; G protein coupled receptor 5; G-protein coupled receptor 5; GPR5; lptn receptor; Lymphotactin receptor; XC chemokine receptor 1; XCR 1; XCR1; XCR1\_HUMAN

**Gene ID**

[2829](#)

**UniProt ID**

[P46094](#)