

## CXCR2 Protein, Human (His-SUMO)

Cat. No.:	HY-P700536
Synonyms:	C-X-C motif chemokine receptor 2; IL8RB, interleukin 8 receptor, beta; C-X-C chemokine receptor type 2; CD182; CMKAR2;
Species:	Human
Source:	E. coli
Accession:	P25025 (M1-E40)
Gene ID:	3579
Molecular Weight:	20.6 kDa

### PROPERTIES

AA Sequence	M E D F N M E S D S    F E D F W K G E D L    S N Y S Y S S T L P    P F L L D A A P C E
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of Tris-based buffer, 50% glycerol, 6% Trehalose, pH 8.0.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

Background	CXCR2, the receptor for interleukin-8 (IL-8), a potent neutrophil chemotactic factor, orchestrates the activation of neutrophils upon IL-8 binding. This response is mediated through a G-protein, initiating a phosphatidylinositol-calcium second messenger system. CXCR2 exhibits high-affinity binding not only to IL-8 but also to other ligands such as CXCL3, GRO/MGSA, and NAP-2. The interaction with IL-8 and GNAI2 further highlights the intricate signaling mechanisms involved in the regulation of neutrophil function by CXCR2.
------------	---

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA