

## CCR8 Protein, Human (P. pastoris, His)

<b>Cat. No.:</b>	HY-P700543
<b>Synonyms:</b>	CCR8; chemokine (C-C motif) receptor 8; CMKBR8, CMKBRL2; C-C chemokine receptor type 8; CDw198; CKR L1; CY6; GPR CY6; TER1; CC chemokine receptor 8; chemokine receptor-like 1; chemokine (C-C) receptor 8; CC chemokine receptor CHEMR1; CC-chemokine receptor chemr1; chemokine (C-C) receptor-like 2; CCR-8; CKRL1; CMKBR8; GPRCY6; CMKBRL2; CC-CKR-8; MGC129966; MGC129973
<b>Species:</b>	Human
<b>Source:</b>	P. pastoris
<b>Accession:</b>	P51685 (M1-K35)
<b>Gene ID:</b>	1237
<b>Molecular Weight:</b>	7.7 kDa

### PROPERTIES

<b>AA Sequence</b>	MDY T L D L S V T T V T D Y Y Y P D I F S S P C D A E L I Q T N G K
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
<b>Endotoxin Level</b>	<1 EU/µg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O.
<b>Storage &amp; Stability</b>	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.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	The CCR8 Protein-VLP acts as a receptor for the chemokine CCL1/SCYA1/I-309, potentially regulating monocyte chemotaxis and thymic cell line apoptosis. It also serves as an alternative coreceptor with CD4 for HIV-1 infection, implicating its involvement in facilitating viral entry and infection. The interaction between CCR8 and CCL1 underscores its role in mediating cellular responses to this chemokine, suggesting a regulatory function in immune and inflammatory processes.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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