

CCR8 Protein, Human (Cell-Free, His)

Cat. No.:	HY-P700542
Synonyms:	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
Species:	Human
Source:	E. coli Cell-free
Accession:	P51685 (L74-V129)
Gene ID:	1237
Molecular Weight:	9.4 kDa

PROPERTIES

AA Sequence	L L N L A L S D L L F V F S F P F Q T Y Y L L D Q W V F G T V M C K V V S G F Y Y I G F Y S S M F F I T L M S V
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of Tris/PBS-based buffer, 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 ₂ 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	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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