

CCR4 Protein-VLP, Human, Recombinant (His)

General Information

Synonyms:	CMKBR4;C-C CKR-4;CCR-4;C-C chemokine receptor type 4;CCR4;K5-5;CD194;CC-CKR-4
Protein Construction:	1-360 aa
Species:	Human
Expression Host:	HEK293 Cells
Accession:	P51679
Molecular Weight:	43.2 kDa (predicted)
AA Sequence:	MNPTDIADTTLDESIYSNYLYYESIPKPCTKEGKAFGELFLPPLYSLVVFVGLLGNSVVVLVLFKYKRLRSMTDV YLLNLAISDLLFVFSLPFWGYAADQWVFLGLCKMISWMYLVGFYSGIFFVMLMSIDRYLAIVHAVFSLRART LTYGVITSLATWSVAVFASLPGFLFSTCYTERNHTYCKTKYSLNSTTWKVLSSLEINILGLVIPLGIMLFCYSMIIRT LQHCKNEKKNKAVKMIFAVVFLGFWTPYNIVLLETLEVEVLQDCTFERLYDYAIQATETLAFVHCCLNPIIY FFLGKFRKYILQLFKTCRGLFVLCQYCGLLQIYSADTPSSSYTQSTMDHDLHDAL

QC Testing

Biological Activity:	Measured by its binding ability in a functional ELISA. Immobilized Human CCR4 at 10 µg/mL can bind Anti-CCR4 recombinant antibody, the EC 50 is 362.3-630.8 ng/mL.
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	PBS, pH 7.4, 6% trehalose

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

High affinity receptor for the C-C type chemokines CCL17/TARC, CCL22/MDC and CKLF isoform 1/CKLF1. The activity of this receptor is mediated by G(i) proteins which activate a phosphatidylinositol-calcium second messenger system. Can function as a chemoattractant homing receptor on circulating memory lymphocytes and as a coreceptor for some primary HIV-2 isolates. In the CNS, could mediate hippocampal-neuron survival.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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