

C-C chemokine receptor type 6 (CCR6) Recombinant Protein | CCR6 recombinant protein

Recombinant Human C-C chemokine receptor type 6 (CCR6)-VLPs (Active)

CATALOG #
AAA279257

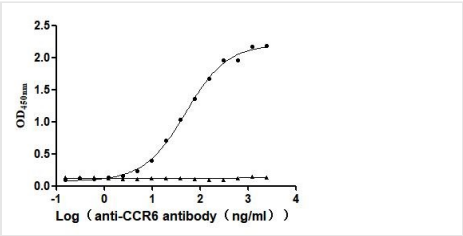
HOST
Mammalian cell

PRODUCT SYNONYMS

C-C chemokine receptor type 6 (CCR6); Recombinant Human C-C chemokine receptor type 6 (CCR6)-VLPs (Active); CKRL3; CMKBR6; GPR29; STRL22; CCR6 recombinant protein

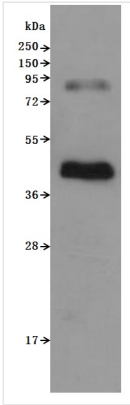
PRODUCT SPECIFICATIONS

Host	Mammalian cell
Purity/Purification	The purity information is not available for VLPs proteins.
Form/Format	Lyophilized powder Lyophilized from a 0.2 um filtered PBS, 6% Trehalose, pH 7.4
Sequence Positions	1-374aa; Full Length
Sequence	MSGESMNFSD VFDSSDYFV SVNTSYYSVD SEMLLCSLQE VRQFSRLFVP IAYSLICVFG LLGNILVVIT FAFYKKARSM TDVYLLNMAI ADILFVLTL FWA VSHATGA WVF SNATCKL LKGIYAINFN CGMLLLTCIS MDRYIAIVQA TKSFRLRSRT LPRSKIICLV VWGLSVIIS STVFNQKYN TQGS DVCEPK YQTVSEPIRW KLLMLGLELL FGFFIPLMFM IFCYTFIVKT LVQAQNSKRH KAIRVIIAVV LVFLACQIPH NMVLLVTAAN LGKMNRSQCS EKLIGYTKTV TEVLAFLHCC LNPVLYAFIG QKFRNYFLKI LKDLWCVRRK YKSSGFSCAG RYSENISRQT SETADNDNAS SFTM
Species	Homo sapiens (Human)
Tag	C-terminal 10xHis-tagged (This tag can be tested only under denaturing conditions)
Research Area	CancerLess than 1.0 EU/ug as determined by LAL method.
Transmembrane Domain	7TM
Biological_Activity	Measured by its binding ability in a functional ELISA. Immobilized Human CCR6 at 10 ug/mL can bind Anti-CCR6 recombinant antibody. The EC50 is 44.79-56.10 ng/mL.The VLPs is negative control.
Preparation and Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 degree C/-80 degree C. The shelf life of lyophilized form is 12 months at -20 degree C/-80 degree C. We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein indeionized sterile water to a concentration of 0.1-1.0 mg/mL. Aliquot for long-term storage at -80 degree C.Solubilize for 60 minutes at room temperature with occasional gentle mixing. Avoid vigorous shaking or vortexing. The VLPs are expressed from human 293 cells (HEK293). Mix the sample gently by repeatedly pipetting it up and down. Do not vortex.Repeated freezing and thawing is not recommended. Store the protein at -20 degree C/-80 degree C upon receiving it, and ensure to avoid repeated freezing and thawing, otherwise, it will affect the protein activity.The immunization strategy should be optimized (antigen dose, regimen and adjuvant).



Bioactivity

Activity/Measured by its binding ability in a functional ELISA. Immobilized Human CCR6 at 10ug/mL can bind Anti-CCR6 recombinant antibody , the EC50 is 44.79-56.10 ng/mL. VLPs is negative control.



Application Data

is detected by Mouse anti-6*His monoclonal antibody. The two bands respectively correspond to monomer, Homodimer.

ADDITIONAL INFORMATION

Related Product Information for CCR6 recombinant protein	Act as a receptor for the C-C type chemokine CCL20.Binds to CCL20 and subsequently transduces a signal by increasing the intracellular calcium ion levels.Act as a receptor for non-chemokine ligands such as beta-defensins.
Product Categories/Family for CCR6 recombinant protein	MP-VLP Transmembrane Protein & Active Protein & In Stock Protein
References	"Identification of CCR6, the specific receptor for a novel lymphocyte- directed CC chemokine LARC."Baba M., Imai T., Nishimura M., Kakizaki M., Takagi S., Hieshima K., Nomiya H., Yoshie O.J. Biol. Chem. 272:14893-14898 (1997)"Molecular cloning and RNA expression of two new human chemokine receptor- like genes."Zaballos A., Varona R., Gutierrez J., Lind P., Marquez G.Biochem. Biophys. Res. Commun. 227:846-853 (1996)"Cloning of STRL22, a new human gene encoding a G-protein-coupled receptor related to chemokine receptors and located on chromosome 6q27."Liao F., Lee H.-H., Farber J.M.Genomics 40:175-180 (1997)

NCBI AND UNIPROT INFORMATION

NCBI GI #	37188165
NCBI GeneID	1235
NCBI Accession #	NP_113597.2
NCBI GenBank Nucleotide #	NM_031409.3
UniProt Accession #	P51684; P78553; Q92846; E1P5C6
Molecular Weight	42,494 Da
NCBI Official Full Name	C-C chemokine receptor type 6
NCBI Official Synonym Full Names	chemokine (C-C motif) receptor 6
NCBI Official Symbol	CCR6
NCBI Official Synonym Symbols	BN-1; DCR2; DRY6; CCR-6; CD196; CKRL3; GPR29; CKR-L3; CMKBR6; GPRCY4; STRL22; CC-CKR-6; C-C CKR-6
NCBI Protein Information	C-C chemokine receptor type 6; LARC receptor; chemokine receptor-like 3; chemokine (C-C) receptor 6; G protein-coupled receptor 29; G-protein coupled receptor 29; seven-transmembrane receptor, lymphocyte, 22
UniProt Protein Name	C-C chemokine receptor type 6
UniProt Gene Name	CCR6
UniProt Synonym Gene Names	CKRL3; CMKBR6; GPR29; STRL22; C-C CKR-6; CC-CKR-6; CCR-6; CKR-L3; GPRCY4

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/ccr6-recombinant-protein-mammalian-cell/279257>