

Product datasheet

Recombinant Human CCR4 protein ab253173

Description

Product name	Recombinant Human CCR4 protein
Purity	>= 80 % Purified via GST Tag. Glutathione Sepharose
Expression system	Wheat germ
Accession	<u>P51679</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MNPTDIADTTLDESISYNNYLYESIPKPCTKEGIKAFGELFLP PLYSLVF VFGLLGNSVVVLVLFKYKRLRSM TDVYLLNLAISDLLFVFS LPFWGYAA DQWVFGGLGCKMISWMYLVGFYSGIFFVMLMSIDRYLAIVH AVFSLRART LTYGVITSLATWSVAVFASLPGFLFSTCYTERNHTYCKTKY SLNSTTWKV LSSLEINILGLVIPLGIMLFCYSMIIRTLQHCKNEKKNKAVKMI FAVVVL FLGFWTPYNIVLFLETLVELEVLQDCTFERYL DYAIAQATETL AFVHCCLN PIYFFLGEKFRKYLQLFKTCRGLFVLCQYCGLLQIYSADTP SSSYTQS TMDHDLHDAL
Predicted molecular weight	41 kDa
Amino acids	1 to 360
Additional sequence information	NP_005499.1

Specifications

Our **Abpromise guarantee** covers the use of **ab253173** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Form	Liquid
Additional notes	Prepared in an <i>in vitro</i> wheat germ expression system with proprietary liposome technology. By

using a mRNA having 5' cap and a poly(A)-tail with this extract in combination with a proprietary liposome, the translation reaction *in vitro* yields ample quantity of membrane protein which is captured by the liposome leading to correct conformation and folding essential for biological function.

Heating may cause protein aggregation. Please do not heat this product before electrophoresis.

Preparation and Storage

Stability and Storage Shipped on Dry Ice. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle.
Constituents: 0.4% Tris HCl, 2% Glycerol (glycerin, glycerine)

General Info

Function High affinity receptor for the C-C type chemokines CCL17/TARC and CCL22/MDC. 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.

Tissue specificity Predominantly expressed in the thymus, in peripheral blood leukocytes, including T-cells, mostly CD4+ cells, and basophils, and in platelets; at lower levels, in the spleen and in monocytes. Detected also in macrophages, IL-2-activated natural killer cells and skin-homing memory T-cells, mostly the ones expressing the cutaneous lymphocyte antigen (CLA). Expressed in brain microvascular and coronary artery endothelial cells.

Sequence similarities Belongs to the G-protein coupled receptor 1 family.

Post-translational modifications In natural killer cells, CCL22 binding induces phosphorylation on yet undefined Ser/Thr residues, most probably by beta-adrenergic receptor kinases 1 and 2.

Cellular localization Cell membrane.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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