

CCR2a : C-C Chemokine Receptor type 2 isoform A

Product specification

Acronym: CCR2a

Synonyms: MCP1R

Origin species : Human

Protein reference : P41597 (UniProtKB)

U03882.1 (GenBank)

Family: GPCR class A

Expression system: E.coli based CFPS

Format: Proteoliposomes

Protein sequence: Met1 – Ala374

Tag : Histidine tag fused to the N-terminal end of the protein

Cleavage site: Factor Xa

Product MW: 44,5 kDa

Application: Drug screening & discovery, antibody development, structural biology

Product description

CCR2 is a member of the beta chemokines receptors family. This gene encodes two isoforms of a receptor for monocyte chemoattractant protein-1, a chemokine which specifically mediates monocyte chemotaxis. Monocyte chemoattractant protein-1 is involved in monocyte infiltration in inflammatory diseases such as rheumatoid arthritis as well as in the inflammatory response against tumor. The receptors encoded by this gene mediate agonist-dependent calcium release.

Recombinant protein sequence

His tag – factor X cleavage site-

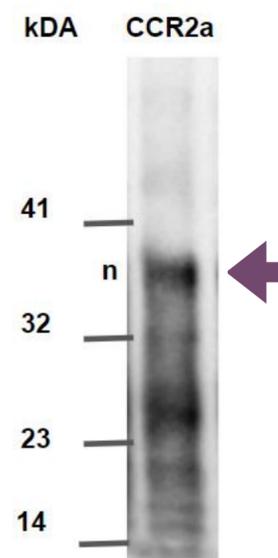
MLSTSRSRFIRNTNESGEEVTTFFDYDYGAPCHKFDVKQIGAQLLPPLYSLVFIFGFVGNMLVVLILINCKKLCCLTDIYLLNLAISDLLFLITL
PLWAHSAANEWVFGNAMCKLFTGLYHIGYFGGIFFIILLTIDRYLAIVHAVFALKARTVTFGVVTSVITWLVAVFASVPGIIFTKCQKEDSVYV
CGPYFPRGWNNFHTIMRNILGLVLP LLIMVICYSGILKTL LRCRNEKKRHRAVRVIFTIMIVYFLFWTPYNIVILLNTFQEFFGLSNCESTSQL
DQATQVTETLGMTHCCINPIIYAFVGEKFRSLFHIALGCRIAPLQKPVCGGPGVRPGKNVKVTTQGLLDGRGKGKSIGRAPEASLQDKEGA

Quality analysis

Purity: Typically > 50 % as determined by SDS-Page and Coomassie Blue staining

Purification procedure: As standard, CCR2a proteoliposomes are purified on a sucrose gradient. Further purification steps can be performed if required.

Fig.1: CCR2a Proteoliposome after purification (Western blot identification).



Formulation

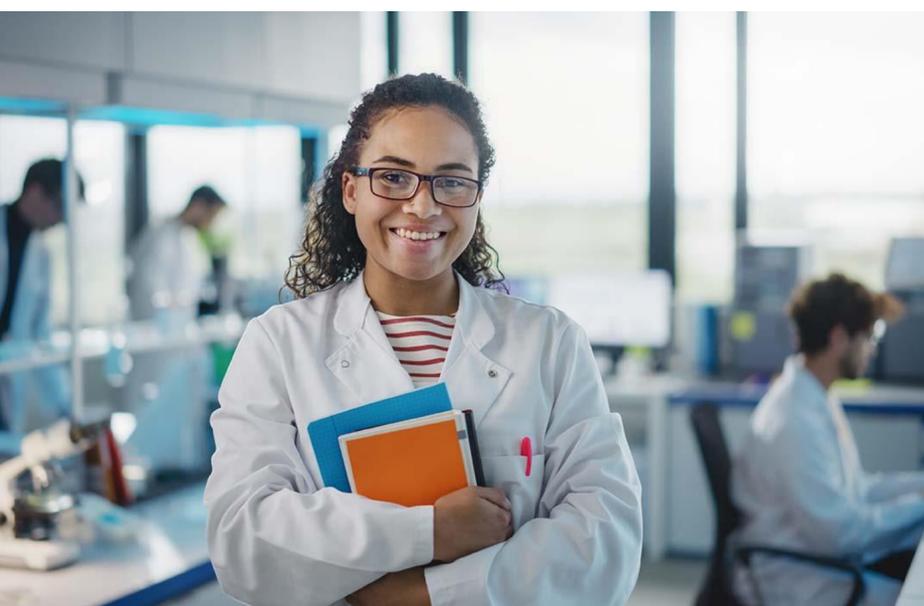
Buffer: Available in Tris 50mM, pH 7.5. Other buffers or customized formulation can be provided upon request.

Customized Hydrophobic matrix: Customized formulation with specific lipids like PEGylated or biotinylated lipids can be used upon request, as well as targeting molecules.

Storage/Stability: Store at +4°C for up to one week or several months at -80°C. Aliquot for storage.
Do not freeze-thaw after aliquoting.

Use restrictions: For life science research use only.

Available sizes: 10µg, 20µg, 100µg, 200µg, 500µg - higher quantity on request.



Need a specific amount, a quote or any additional information?
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