

Datasheet for ABIN7546854
CXCR2 Protein (AA 1-360) (His tag)



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Overview

Quantity:	1 mg
Target:	CXCR2
Protein Characteristics:	AA 1-360
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CXCR2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant CXCR2 Protein expressed in mammalian cells.
Sequence:	MEDFNMESDS FEDFWKGEDL SNYSYSSTLP PFLDDAAPCE PESLEINKYF VVIYALVFL LSLLGNSLVM LVILYSRVGR SVTDVYLLNL ALADLLFALT LPIWAASKVN GWIFGTFLCK VVSLLKEVNF YSGILLLACI SVDRYLAIVH ATRTLTQKRY LVKFICLSIW GLSLLLALPV LLFRRTVYSS NVSPACYEDM GNNTANWRML LRILPQSFGF IVPLLIMLFC YGFTLRTLFK AHMGQKHRAM RVIFAVLIF LLCWLPYNLV LLADTLMRTQ VIQETCERRN HIDRALDATE ILGILHSCLN PLIYAFIQK FRHGLLKILA IHGLISKDSL PKDSRPSFVG SSSGHTSTTL Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
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Grade:	custom-made
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Target Details

Target:	CXCR2
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Alternative Name:	CXCR2 (CXCR2 Products)
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Background:	C-X-C chemokine receptor type 2 (CXC-R2) (CXCR-2) (CDw128b) (GRO/MGSA receptor) (High affinity interleukin-8 receptor B) (IL-8R B) (IL-8 receptor type 2) (CD antigen CD182),FUNCTION: Receptor for interleukin-8 which is a powerful neutrophil chemotactic factor (PubMed:1891716). Binding of IL-8 to the receptor causes activation of neutrophils. This response is mediated via a G-protein that activates a phosphatidylinositol-calcium second messenger system (PubMed:8662698). Binds to IL-8 with high affinity. Also binds with high affinity to CXCL3, GRO/MGSA and NAP-2. {ECO:0000269 PubMed:1891716, ECO:0000269 PubMed:8662698}.
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Molecular Weight:	40.8 kDa
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UniProt:	P25025
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Pathways:	cAMP Metabolic Process
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Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months