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Datasheet for ABIN7491631 CXCR7 Protein

Overview

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|---------------|---------------|
| Quantity: | 100 µg |
| Target: | CXCR7 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Synthetic |

Product Details

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|------------------|---|
| Purpose: | Human ACKR3 full length protein-synthetic nanodisc |
| Characteristics: | Full Length Transmembrane Proteins (synthetic Nanodisc) |

Target Details

| | |
|-------------------|--|
| Target: | CXCR7 |
| Alternative Name: | ACKR3 (CXCR7 Products) |
| Background: | <p>CMKOR1, CXCR7, CXCR-7, CXCR7, GPR159, RDC-1, RDC1</p> <p>Description: This gene encodes a member of the G-protein coupled receptor family. Although this protein was earlier thought to be a receptor for vasoactive intestinal peptide (VIP), it is now considered to be an orphan receptor, in that its endogenous ligand has not been identified. The protein is also a coreceptor for human immunodeficiency viruses (HIV). Translocations involving this gene and HMGA2 on chromosome 12 have been observed in lipomas. [provided by RefSeq, Jul 2008]</p> |
| Molecular Weight: | The human full length ACKR3 protein has a MW of 41.3 kDa |

Target Details

UniProt: [P25106](#)

Pathways: [Myometrial Relaxation and Contraction](#), [Negative Regulation of intrinsic apoptotic Signaling](#)

Application Details

Application Notes:

- Applications for VLPs:
- ELISA
- SPR affinity analysis
- Phage display screening
- Immunization
- Cell based assays
- CAR-T cell screening
- Protein crystal structure analysis

Comment: Synthetic Nanodisc can be prepared directly from the cells. The polymers used during this process have a dual function. It dissolves the cell membranes, like the detergent, and uses cellular phospholipids to form Nanodisc around the membrane proteins. The target protein embedded Nanodiscs can then be purified.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Supplied in nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0)

Storage: -20 °C, -80 °C

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months