

**HDFP905**

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## Product Information

|                     |         |                         |                  |              |      |
|---------------------|---------|-------------------------|------------------|--------------|------|
| <b>Product SKU:</b> | HDFP905 | <b>Expression Host:</b> | HEK293           | <b>Size:</b> | 10µg |
| <b>Target:</b>      | ACKR2   | <b>Tag:</b>             | C-Flag&Strep Tag |              |      |

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## Additional Information

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|--------------------------|--|--------------------|--------|
| <b>Conjugate:</b>        | Unconjugated   | <b>Uniprot ID:</b> | O00590 |
| <b>Molecular Weight:</b> | The human full length ACKR2-Strep protein has a MW of 43.4 kDa |                    |        |

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## Protein Information

**Background:** This gene encodes a beta chemokine receptor, which is predicted to be a seven transmembrane protein similar to G protein-coupled receptors. Chemokines and their receptor-mediated signal transduction are critical for the recruitment of effector immune cells to the inflammation site. This gene is expressed in a range of tissues and hemopoietic cells. The expression of this receptor in lymphatic endothelial cells and overexpression in vascular tumors suggested its function in chemokine-driven recirculation of leukocytes and possible chemokine effects on the development and growth of vascular tumors. This receptor appears to bind the majority of beta-chemokine family members; however, its specific function remains unknown. This gene is mapped to chromosome 3p21.3, a region that includes a cluster of chemokine receptor genes. [provided by RefSeq, Jul 2008]

**Synonyms:** CCBP2, CCR10, CCR9, CMKBR9, D6, hD6

**Protein Description:** Human ACKR2-Strep full length protein-synthetic nanodisc

**Formulation:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions. Do not use solvents with a pH below 6.5 or those containing high concentrations of divalent metal ions (greater than 5 mM) in subsequent experiments.

**Protein Pathways:** GPCRDB Class A Rhodopsin-like, Chemokines, Chemokine and Receptor.

**Contact Details | Dublin, Ireland**

**Email:** [techsupport@assaygenie.com](mailto:techsupport@assaygenie.com) | **Web:** [www.assaygenie.com](http://www.assaygenie.com)

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**Protein Families:** GPCR, Transmembrane, Druggable Genome.

**Usage:** Research use only

**Storage & Shipping:** 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.

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