

HDFP1093

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## Product Information

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|---------------------|----------|-------------------------|------------------|--------------|------|
| <b>Product SKU:</b> | HDFP1093 | <b>Expression Host:</b> | HEK293           | <b>Size:</b> | 10µg |
| <b>Target:</b>      | NPSR1    | <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> | Q6W5P4 |
| <b>Molecular Weight:</b> | The human full length NPSR1-Strep protein has a MW of 42.7 kDa |                    |        |

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## Protein Information

**Background:** A member of the vasopressin/oxytocin subfamily of G protein-coupled receptors. The encoded membrane protein acts as a receptor for neuropeptide S and affects a variety of cellular processes through its signaling. Increased expression of this gene in ciliated cells of the respiratory epithelium and in bronchial smooth muscle cells is associated with asthma. Polymorphisms in this gene have also been associated with asthma susceptibility, panic disorders, inflammatory bowel disease, and rheumatoid arthritis. Alternative splicing results in multiple transcript variants.

**Synonyms:** ASRT2; GPR154; GPRA; NPSR; PGR14; VRR1

**Protein Description:** Human NPSR1-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:** -

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

**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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