

**PRODUCT INFORMATION**

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|---|---|
| <b>Tag</b>                              | C-Flag&Strep Tag  |
| <b>Target</b>                           | HRH2  |
| <b>Synonyms</b>                         | H2R, HH2R   |
| <b>Description</b>                      | Human HRH2-Strep full length protein-synthetic nanodisc   |
| <b>Delivery</b>                         | 6~8weeks  |
| <b>Uniprot ID</b>                       | P25021  |
| <b>Expression Host</b>                  | HEK293  |
| <b>Protein Families</b>                 | GPCR,Transmembrane,Druggable Genome,  |
| <b>Protein Pathways</b>                 | GPCRDB Class A Rhodopsin-like,Monoamine GPCRs,Cancer,   |
| <b>Molecular Weight</b>                 | The human full length HRH2-Strep protein has a MW of 40.1 kDa   |
| <b>Formulation &amp; Reconstitution</b> | 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.  |
| <b>Storage&amp;Shipping</b>             | 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.   |
| <b>Background</b>                       | Histamine is a ubiquitous messenger molecule released from mast cells, enterochromaffin-like cells, and neurons. Its various actions are mediated by histamine receptors H1, H2, H3 and H4. Histamine receptor H2 belongs to the family 1 of G protein-coupled receptors. It is an integral membrane protein and stimulates gastric acid secretion. It also regulates gastrointestinal motility and intestinal secretion and is thought to be involved in regulating cell growth and differentiation. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2008] |
| <b>Usage</b>                            | Research use only   |
| <b>Conjugate</b>                        | Unconjugated  |

