

**PRODUCT INFORMATION**

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|---|---|
| <b>Tag</b>                              | C-Flag&Strep Tag  |
| <b>Target</b>                           | ILDR2   |
| <b>Synonyms</b>                         | C1orf32;dj782G3.1   |
| <b>Description</b>                      | Human ILDR2-Strep full length protein-synthetic nanodisc  |
| <b>Delivery</b>                         | 6~8weeks  |
| <b>Uniprot ID</b>                       | Q71H61  |
| <b>Expression Host</b>                  | HEK293  |
| <b>Protein Families</b>                 | Transmembrane   |
| <b>Protein Pathways</b>                 | N/A   |
| <b>Molecular Weight</b>                 | The human full length ILDR2-Strep protein has a MW of 71.2 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>                       | May be involved in ER stress pathways with effects on lipid homeostasis and insulin secretion. With ILDR1 and LSR, involved in the maintain of the epithelial barrier function through the recruitment of MARVELD2/tricellulin to tricellular tight junctions. Also functions as a B7-like protein family member expressed on immune cells and inflamed tissue and with T-cell inhibitory activity. |
| <b>Usage</b>                            | Research use only   |
| <b>Conjugate</b>                        | Unconjugated  |

