PRODUCT INFORMATION

C-Flag&Strep Tag Tag

Target OR2F1

7M1-2, OLF3, OR14-60, OR2F3, OR2F3P, OR2F4, **Synonyms**

OR2F5, OR7-139, OR7-140

Human OR2F1-Strep full length protein-synthetic Description

nanodisc 6~8weeks

Delivery Uniprot ID Q13607 HFK293 **Expression Host**

Protein Families Transmembrane, Druggable Genome,

GPCRDB Class A Rhodopsin-like, GPCRDB Other. **Protein Pathways**

The human full length OR2F1-Strep protein has a **Molecular Weight**

MW of 35.4 kDa

Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% Formulation & - 8% trehalose is added as protectants before Reconstitution lyophilization. Please see Certificate of Analysis

for specific instructions of reconstitution. 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

Storage & Shipping at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

temperature.

Olfactory receptors interact with odorant molecules in the nose, to initiate a neuronal response that triggers the perception of a smell. The olfactory receptor proteins are members of a large family of G-protein-coupled receptors (GPCR) arising from single coding-exon genes. Olfactory receptors share a 7-transmembrane domain structure with many neurotransmitter and hormone receptors and are responsible for the recognition and G protein-mediated transduction

of odorant signals. The olfactory receptor gene

family is the largest in the genome. The nomenclature assigned to the olfactory receptor

genes and proteins for this organism is independent of other organisms. This olfactory

receptor gene is a segregating pseudogene, where some individuals have an allele that encodes a functional olfactory receptor, while other individuals have an allele encoding a protein that is predicted to be non-functional. [provided by RefSeq, Jun 2015]

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Usage Research use only Conjugate Unconjugated



Background