

HDFP1212

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**Product Information**

<b>Product SKU:</b>	HDFP1212	<b>Expression Host:</b>	HEK293	<b>Size:</b>	10µg
<b>Target:</b>	TS1R1	<b>Tag:</b>	C-Flag&Strep Tag		

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**Additional Information**

<b>Conjugate:</b>	Unconjugated	<b>Uniprot ID:</b>	Q7RTX1
<b>Molecular Weight:</b>	The human full length TS1R1-Strep protein has a MW of 93.1 kDa		

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**Protein Information**

**Background:** The protein encoded by this gene is a G protein-coupled receptor and is a component of the heterodimeric amino acid taste receptor T1R1 3. The T1R1 3 receptor responds to L-amino acids but not to D-enantiomers or other compounds. Most amino acids that are perceived as sweet activate T1R1 3, and this activation is strictly dependent on an intact T1R1 3 heterodimer. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2010]

**Synonyms:** GM148, GPR70, T1R1, TR1

**Protein Description:** Human TS1R1-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:** 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.