

## HDFP419

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### Product Information

<b>Product SKU:</b>	HDFP419	<b>Expression Host:</b>	HEK293	<b>Size:</b>	10µg
<b>Target:</b>	OXYR	<b>Tag:</b>	C-Flag Tag		

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### Additional Information

<b>Conjugate:</b>	Unconjugated	<b>Uniprot ID:</b>	P30559
<b>Molecular Weight:</b>	The human full length OXYR protein has a MW of 42.8 kDa		

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### Protein Information

**Background:** The protein belongs to the G-protein coupled receptor family and acts as a receptor for oxytocin. Its activity is mediated by G proteins which activate a phosphatidylinositol-calcium second messenger system. The oxytocin-oxytocin receptor system plays an important role in the uterus during parturition.

**Synonyms:** OT-R; OTR

**Protein Description:** Human OXYR 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

**Protein Pathways:** Calcium signaling pathway, Neuroactive ligand-receptor interaction.

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