

## HDFP163

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### Product Information

<b>Product SKU:</b>	HDFP163	<b>Expression Host:</b>	HEK293	<b>Size:</b>	10µg
<b>Target:</b>	5HT7R	<b>Tag:</b>	C-Flag Tag		

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### Additional Information

<b>Conjugate:</b>	Unconjugated	<b>Uniprot ID:</b>	P34969
<b>Molecular Weight:</b>	The human full length 5HT7R protein has a MW of 53.6 kDa		

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### Protein Information

**Background:** The neurotransmitter, serotonin, is thought to play a role in various cognitive and behavioral functions. The serotonin receptor encoded by this gene belongs to the superfamily of G protein-coupled receptors and the gene is a candidate locus for involvement in autistic disorder and other neuropsychiatric disorders. Three splice variants have been identified which encode proteins that differ in the length of their carboxy terminal ends.

**Synonyms:** 5-HT7

**Protein Description:** Human 5HT7R 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:** 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.

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