

## HDFP157

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### Product Information

<b>Product SKU:</b>	HDFP157	<b>Expression Host:</b>	HEK293	<b>Size:</b>	10µg
<b>Target:</b>	5HT2A	<b>Tag:</b>	C-Flag Tag		

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### Additional Information

<b>Conjugate:</b>	Unconjugated	<b>Uniprot ID:</b>	P28223
<b>Molecular Weight:</b>	The human full length 5HT2A protein has a MW of 52.6kDa		

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### Protein Information

**Background:** This gene encodes one of the receptors for serotonin, a neurotransmitter with many roles. Mutations in this gene are associated with susceptibility to schizophrenia and obsessive-compulsive disorder, and are also associated with response to the antidepressant citalopram in patients with major depressive disorder (MDD). MDD patients who also have a mutation in intron 2 of this gene show a significantly reduced response to citalopram as this antidepressant downregulates expression of this gene. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2009]

**Synonyms:** 5-HT2A, HTR2

**Protein Description:** Human 5HT2A 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:** GPCRDB Class A Rhodopsin-like, GPCRDB Other, Monoamine GPCRs, Metabolic and Obesity.

**Protein Families:** GPCR, 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.

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