

HDFP894

Product Information

Product SKU:	HDFP894	Expression Host:	HEK293	Size:	10µg
Target:	5HT1F	Tag:	C-Flag&Strep Tag		

Additional Information

Conjugate:	Unconjugated	Uniprot ID:	P30939
Molecular Weight:	The human full length 5HT1F-Strep protein has a MW of 41.7 kDa		

Protein Information

Background:	G-protein coupled receptor for 5-hydroxytryptamine (serotonin). Also functions as a receptor for various alkaloids and psychoactive substances. Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of down-stream effectors, such as adenylate cyclase. Signaling inhibits adenylate cyclase activity.[UniProtKB/Swiss-Prot Function]
Synonyms:	5-HT-1F, 5-HT1F, 5HT6, HTR1EL, MR77
Protein Description:	Human 5HT1F-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:	GPCRDB Class A Rhodopsin-like, GPCRDB Other, Monoamine GPCRs.
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.