

## HDFP919

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### Product Information

<b>Product SKU:</b>	HDFP919	<b>Expression Host:</b>	HEK293	<b>Size:</b>	10µg
<b>Target:</b>	ADRB3	<b>Tag:</b>	C-Flag&Strep Tag		

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### Additional Information

<b>Conjugate:</b>	Unconjugated	<b>Uniprot ID:</b>	P13945
<b>Molecular Weight:</b>	The human full length ADRB3-Strep protein has a MW of 43.5 kDa		

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### Protein Information

**Background:** The protein encoded by this gene belongs to the family of beta adrenergic receptors, which mediate catecholamine-induced activation of adenylate cyclase through the action of G proteins. This receptor is located mainly in the adipose tissue and is involved in the regulation of lipolysis and thermogenesis. Obesity and bodyweight-related disorders are correlated with certain polymorphisms in three subtypes of beta-adrenoceptor, among them, the ADRB3 gene.[provided by RefSeq, Oct 2019]

**Synonyms:** BETA3AR

**Protein Description:** Human ADRB3-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:** Calcium regulation in cardiac cells, GPCRDB Class A Rhodopsin-like, Monoamine GPCRs, Cancer, Metabolic and Obesity, Insulin Signaling Pathway.

**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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