

HDFP887

Product Information

Product SKU:	HDFP887	Expression Host:	HEK293	Size:	10µg
Target:	OR1E1	Tag:	C-Flag&Strep Tag		

Additional Information

Conjugate:	Unconjugated	Uniprot ID:	P30953
Molecular Weight:	The human full length OR1E1-Strep protein has a MW of 35.3 kDa		

Protein Information

Background: Olfactory receptors interact with odorant molecules in the nose, to initiate a neuronal response that triggers the perception of a smell. The olfactory receptor proteins are members of a large family of G-protein-coupled receptors (GPCR) arising from single coding-exon genes. Olfactory receptors share a 7-transmembrane domain structure with many neurotransmitter and hormone receptors and are responsible for the recognition and G protein-mediated transduction of odorant signals. The olfactory receptor gene family is the largest in the genome. The nomenclature assigned to the olfactory receptor genes and proteins for this organism is independent of other organisms.

Synonyms: HGM071; OR1E5; OR1E6; OR1E8P; OR1E9P; OR13-66; OR17-2; OR17-32; OST547

Protein Description: Human OR1E1-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: Olfactory transduction.

Protein Families: Druggable Genome, Transmembrane.

Usage: Research use only

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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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