

## HRH3-VLPs Protein, Human (HEK293, GFP)

Cat. No.:	HY-P702322
Synonyms:	Histamine H3 receptor; G-protein coupled receptor 97
Species:	Human
Source:	HEK293
Accession:	Q9Y5N1 (M1-K445)
Gene ID:	11255
Molecular Weight:	75.9 kDa

### PROPERTIES

AA Sequence	<pre> MERAPPDGPL   NASGALAGEA   AAAGGARGFS   AAWTAVLAAL MALLIVATVL   GNALVMLAFV   ADSSLRTQNN   FFLLNLAISD FLVGAFCIPL   YVPYVLTGRW   TFGRGLCKLW   LVVDYLLCTS SAFNIVLISY   DRFLSVTRAV   SYRAQQGDTR   RAVRKMLLVW VLAFLLYGPA   ILSWEYLSGG   SSIPEGHCYA   EFFYNWYFLI TASTLEFFTP   FLSVTFFNLS   IYLNIQRRTR   LRLDGAREAA GPEPPPEAQP   SPPPPPGCWG   CWQKGHGEAM   PLHRYGVGEA AVGAEAGEAT   LGGGGGGGSV   ASPTSSSGSS   SRGTERPRSL KRGSKPSASS   ASLEKRMKMV   SQSFTQRFRL   SRDRKVAKSL AVIVSIFGLC   WAPYTLMLII   RAACHGHCV   DYWYETSF   WL LWANS AVNPV   LYPLCHHSFR   RAFTKLLCPQ   KLKIQPHSSL EHCWK           </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 µm filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O. Solubilize for 60 minutes at room temperature with occasional gentle mixing. Avoid vigorous shaking or vortexing.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

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**Background**

The HRH3-VLPs protein belongs to the H3 subclass of histamine receptors, playing a potential role in mediating histamine signals within the central nervous system (CNS) and peripheral nervous system. It operates by inhibiting adenylate cyclase and exhibits notable constitutive activity, demonstrating spontaneous activity even in the absence of agonists. Interestingly, stimulation of isoform 3 fails to alter adenylate cyclase activity or induce intracellular calcium mobilization.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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