HRH3-VLPs Protein, Human (HEK293, His)

Cat. No.:	HY-P702323
Synonyms:	Histamine H3 receptor; G-protein coupled receptor 97
Species:	Human
Source:	HEK293
Accession:	Q9Y5N1 (M1-K445)
Gene ID:	11255
Molecular Weight:	50.0 kDa

PROPERTIES

AA Sequence	M E R A P P D G P L N A S G A L A G E A A A A G G A R G F S A A W T A V L A A L M A L L I V A T V L G N A L V M L A F V A D S S L R T Q N N F F L L N L A I S D F L V G A F C I P L Y V P Y V L T G R W T F G R G L C K L W L V V D Y L L C T S S A F N I V L I S Y D R F L S V T R A V S Y R A Q Q G D T R R A V R K M L L V W V L A F L L Y G P A I L S W E Y L S G G S S I P E G H C Y A E F F Y N W Y F L I T A S T L E F F T P F L S V T F F N L S I Y L N I Q R R T R L R L D G A R E A A G P E P P P E A Q P S P P P P P G C W G C W Q K G H G E A M P L H R Y G V G E A A V G A E A G E A T L G G G G G G G S V A S P T S S S G S S S R G T E R P R S L K R G S K P S A S S A S L E K R M K M V S Q S F T Q R F R L S R D R K V A K S L A V I V S I F G L C W A P Y T L L M I I R A A C H G H C V P D Y W Y E T S F W L L W A N S A V N P V L Y P L C H H S F R R A F T K L L C P Q K L K I Q P H S S L E H C W K
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 μm filtered solution of PBS, 6% Trehalose, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O. 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

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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