

GIPR Protein, Human (Cell-Free, His)

Cat. No.:	HY-P702285
Synonyms:	Gastric inhibitory polypeptide receptor; Glucose-dependent insulinotropic polypeptide receptor
Species:	Human
Source:	E. coli Cell-free
Accession:	P48546-1 (R22-C466)
Gene ID:	2696
Molecular Weight:	52.4 kDa

PROPERTIES

AA Sequence	<pre> RAETGSKGQT AGELYQRWER YRRECQETLA AAEPSPGLAC NGSFDMYVCW DYAAPNATAR ASCPWYLPWH HHVAAGFVLR QCGSDGQWGL WRDHTQCENP EKNEAFLDQR LILERLQVMY TVGYSLSLAT LLLALLILSL FRR LHCTRNY IHINLFTSFM LRAAAILSRD RLLPRPGPYL GDQALALWNQ ALAACRTAQI VTQYCVGANY TWLLVEGVYL HSLLVLVGGG EEGHFRYYLL LGWGAPALFV IPWVIVRYLY ENTQCWERNE VKAIWWIIRT PILMTILINF LIFIRILGIL LSKLRTRQMR CRDYRLRLAR STLTLVPLLG VHEVVFAPVT EEQARGALRF AKLGFEIFLS SFQGFVLSVL YCFINKEVQS EIRRGWHHCR LRRSLGEEQR QLPERAFRAL PSGSGPGEVP TSRGLSSGTL PGP GNEASRE LESYC </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 µm filtered solution of 20 mM Tris-HCl, 0.15 M NaCl, 0.05% Brij-78, 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 ₂ O. For long term storage it is recommended to add 5-50% of glycerol (final concentration). Our default final concentration of glycerol is 50%. Customers could use it as reference.
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 GIPR protein functions as a receptor for glucose-dependent insulinotropic polypeptide (GIP). Its activity is mediated by G proteins, specifically those that activate adenylyl cyclase. Notably, GIPR has the potential to form homodimers and heterodimers with GLP1R, suggesting a possible interaction between receptors associated with incretin hormones.

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

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