PRODUCT INFORMATION

Target	GIPR
Synonyms	GIP-R; Gm160; Gm1081
Description	Recombinant mouse GIPR protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	Q0P543
Expression Host	HEK293
Tag	C-Human Fc tag
Molecular Characterization	Mouse GIPR(Glu19-Gln134) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 39.5 kDa after removal of the signal peptide. The apparent molecular mass of mGIPR-hFc is approximately 35-55 kDa due to glycosylation.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions.
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.
Sterility	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 μm) prior to use.
Background	Predicted to enable G protein-coupled peptide receptor activity; gastric inhibitory peptide receptor activity; and glucagon family peptide binding activity. Acts upstream of or within endocrine pancreas development. Predicted to be located in membrane. Predicted to be integral component of membrane. Predicted to be active in plasma membrane. Is expressed in foregut-midgut junction; pancreas; and pancreas primordium. Human ortholog(s) of this gene implicated in cardiovascular system disease; diabetes mellitus; obesity; and type 2 diabetes mellitus. Orthologous to human GIPR (gastric inhibitory polypeptide receptor). [provided by Alliance of Genome Resources, Apr 2022]
Usage	Research use only
Conjugate	Unconjugated

Figure 1. Mouse GIPR Protein, hFc Tag on SDS-PAGE under reducing condition.