

Proteoliposomes

Full-Length

GLP2R (Human) Recombinant Protein

Catalog # H00009340-G01

Size 10 ug

Specification

Product Description

Human GLP2R full-length ORF (NP_004237.1) recombinant protein without tag.
This product is belong to Proteoliposome (PL).

Sequence

MKLGSSRAGPGRGSAGLLPGVHELPMGIPAPWGTSPLSFHRKCSLWAPGRPFLTLLVSIKQV
TGSLLLEETTRKWAQYKQACLRDLLKEPSGIFCNGTFDQYVCWPHSSPGNVSVPCPSYLPWWSE
ESSGRAYRHCLAQGTWQTENATDMQDDSECSNHSFKQNVDRYALLSTLQLMYTVGYFSLSL
FLALTLLLFLRKLHCTRNYHNMNLFASFILRTLAVLVKDVFYNSYSKRPDNENGWMSYLSMSTSC
RSVQVLLHYFVGANYLWLLVEGLYLHTLLEPTVLPERRLWPRYLLLGWAFPVLFVVPWGFARAH
L
ENTGCWTTNGNKKIWWIIRGPMMLCVTVNFFIFLKILKLLISKLAHQMCFRDYKYRLAKSTLVLIPL
L
GVHEILFSFITDDQVEGFAKLIRLFIQLTSSFHGFLVALQYGFANGEVKAELRKYWVRFLARHSG
CRACVLGKDFRFLGKCPKKLSEGDGAELRKLQPSLNSGRLLHLAMRGLGELGAQPQQDHAR
WPRGSSLSECSEGDVTMANTMEEILEEESI

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

63

Interspecies Antigen Sequence

Mouse (81); Rat (78)

Form

Liquid

Preparation Method

[in vitro wheat germ expression system with proprietary liposome technology](#)

Purification

None

Recommend Usage

Heating may cause protein aggregation. Please do not heat this product before electrophoresis.

Storage Buffer

25 mM Tris-HCl of pH8.0 containing 2% glycerol.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Antibody Production

Gene Info — GLP2R

Entrez GeneID [9340](#)

GeneBank Accession# [NM_004246.1](#)

Protein Accession# [NP_004237.1](#)

Gene Name GLP2R

Gene Alias -

Gene Description glucagon-like peptide 2 receptor

Omim ID [603659](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The GLP2 receptor (GLP2R) is a G protein-coupled receptor superfamily member closely related to the glucagon receptor and GLP1 receptor. Glucagon-like peptide-2 (GLP2) is a 33-amino acid proglucagon-derived peptide produced by intestinal enteroendocrine cells. Like glucagon-like peptide-1 (GLP1) and glucagon itself, it is derived from the proglucagon peptide encoded by the GC G gene. GLP2 stimulates intestinal growth and upregulates villus height in the small intestine, concomitant with increased crypt cell proliferation and decreased enterocyte apoptosis. Moreover, GLP2 prevents intestinal hypoplasia resulting from total parenteral nutrition. GLP2R, a G protein-coupled receptor superfamily member is expressed in the gut and closely related to the glucagon receptor (GCGR) and the receptor for GLP1 (GLP1R). [provided by RefSeq]

Other Designations OTTHUMP00000160769

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Anorexia Nervosa](#)
- [Bulimia](#)

- [Cardiovascular Diseases](#)
- [Colitis](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Tobacco Use Disorder](#)