

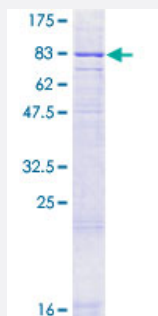
Full-Length

GLP2R (Human) Recombinant Protein (P01)

Catalog # H00009340-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human GLP2R full-length ORF (NP_004237.1, 1 a.a. - 553 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MKLGSSRAGPGRGSAGLLPGVHELPMGIPAPWGTSPLSFHRKCSLWAPGRPFLTLVLLVSIKQV
TGSLLLEETTRKWAQYKQACLRDLLKEPSGIFCNGTFDQYVCWPHSSPGNVSVPCPSYLPWWSE
ESSGRAYRHCLAQGTWQTENATDWQDDSECSNHSFKQNVDYALLSTLQLMYTVGYFSLISL
FLALTLLLFLRKLHCTRNYHNMNLFASFILRTLAVLVKDVFYNSYSKRPDNENGWMSYLSMSTSC
RSVQVLLHYFVGANYLWLLVEGLYLHTLLEPTVLPERRLWPRYLLGWAFPVLFFVVPWGFARAHL
ENTGCWTTNGNKKIWWIRGPMMLCVTVNFFIFLKILKLLISKLAHQMCFRDYKYRLAKSTLVLIPLL
GVHEILFSFITDDQVEGFAKLIRLFIQLTLSSFHGFLVALQYGFANGEVKAELRKYWVRFLARHSG
CRACVLGKDFRFLGKCPKKLSEGDGAELRKLQPSLNSGRLLHLMRGLGELGAQPQQDHAR
WPRGSSLSECSEGDVTMANTMEEIEESEI

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

89.4

Interspecies Antigen Sequence

Mouse (81); Rat (78)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
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

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

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]
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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](#)