

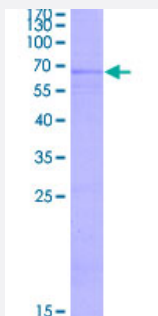
Full-Length

GPR30 (Human) Recombinant Protein (P01)

Catalog # H00002852-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human GPR30 full-length ORF (NP_001496.1, 1 a.a. - 375 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MDVTSQARGVGLEMYPGTAQPAAPNTTSPELNLSHPLLGTALANGTGELSEHQQYVIGLFLSCLY
TIFLPIGFVGNILLVVNISFREKMTIPDLYINLAVADLILVADSLEVFNLHERYYDIAVLCTFMSLFLQ
VNMYSVFFLTWMSFDRYALARAMRCSLFRTKHHARLSCGLWMAVSATLVPFTAVHLQHTDE
ACFCFADVREVQWLEVTLGFMVFAIIGLCYSLVRVLVRAHRHRGLRPRRQKALRMILAVVLVFFV
CWLPENVFISVHLLQRTQPGAAPCKQSFRHAHPLTGHMVNLAAFSNSCLNPLYSFLGETFRDKLR
LYIEQKTNLPALNRFCHAALKAVIPDSTEQSDVRFSSAV

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

68.6

Interspecies Antigen Sequence

Mouse (87)

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 — GPER

Entrez GeneID[2852](#)**GeneBank Accession#**[NM_001505.2](#)**Protein Accession#**[NP_001496.1](#)**Gene Name**

GPER

Gene Alias

CEPR, CMKRL2, DRY12, FEG-1, GPCR-Br, GPR30, LERGU, LERGU2, LyGPR, MGC99678

Gene Description

G protein-coupled estrogen receptor 1

Omim ID[601805](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene is a member of the G-protein coupled receptor 1 family and encodes a multi-pass membrane protein that localizes to the endoplasmic reticulum. The protein binds estrogen, resulting in intracellular calcium mobilization and synthesis of phosphatidylinositol 3,4,5-trisphosphate in the nucleus. This protein therefore plays a role in the rapid nongenomic signaling events widely observed following stimulation of cells and tissues with estrogen. Alternate transcriptional splice variants which encode the same protein have been characterized. [provided by RefSeq]

Other Designations

G protein-coupled receptor 30|IL8-related receptor|OTTHUMP00000115502|chemokine receptor-like 2|constitutively expressed peptide-like receptor|flow-induced endothelial G-protein coupled receptor|heptahelix receptor|leucine rich protein in GPR30 3'UTR

Disease

- [Breast Neoplasms](#)
- [Head and Neck Neoplasms](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)