



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Datasheet

### GRPR (Human) Recombinant Protein (P01)

**Catalog Number:** H00002925-P01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human GRPR full-length ORF ( NP\_005305.1, 1 a.a. - 384 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MALNDCFLLNLEVDHFMHCNISSHSADLPVNDWWSHP  
GILYVIPAVYGVIIIGLIGNITLIKIFCTVKSMRNVNLFIS  
SLALGDLILLITCAPVDASRYLADRWLFGRIKCLIPFIQ  
LTSVGVSVFTLTALSADRYKAIVRPMDIQASHALMKICL  
KAAFIWIISMLLAPEAVFSDLHPFHEESTNQTFISCAPY  
PHSNELHPKIHSMASFLVFYVIPLSIISVYVYFIKNIQS  
AYNLPVEGNIHVKKQIESRKRKLAKTVLVFGVGLFAFCWL  
PNHVIYLYRSYHYSEVDTSMLHFVTSICARLLAFTNSC  
VNPFALYLLSKSFRKQFNTQLLCCQPGLIIRSHSTGRS  
TTCMTSLKSTNPSVATFSLINGNICHERYV

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 69.6

**Interspecies Antigen Sequence:** Mouse (90); Rat (90)

**Applications:** AP, Array, ELISA, WB-Re  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Preparation Method:** [in vitro wheat germ expression system](#)

**Purification:** Glutathione Sepharose 4 Fast Flow

**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.

**Entrez GeneID:** 2925

**Gene Symbol:** GRPR

**Gene Alias:** -

**Gene Summary:** Gastrin-releasing peptide (GRP) regulates numerous functions of the gastrointestinal and central nervous systems, including release of gastrointestinal hormones, smooth muscle cell contraction, and epithelial cell proliferation and is a potent mitogen for neoplastic tissues. The effects of GRP are mediated through the gastrin-releasing peptide receptor. This receptor is a glycosylated, 7-transmembrane G-protein coupled receptor that activates the phospholipase C signaling pathway. The receptor is aberrantly expressed in numerous cancers such as those of the lung, colon, and prostate. An individual with autism and multiple exostoses was found to have a balanced translocation between chromosome 8 and a chromosome X breakpoint located within the gastrin-releasing peptide receptor gene. [provided by RefSeq]