

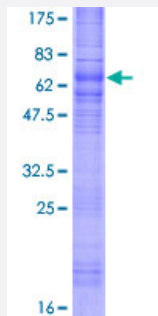
Full-Length

SSTR1 (Human) Recombinant Protein (P01)

Catalog # H00006751-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human SSTR1 full-length ORF (NP_001040.1, 1 a.a. - 391 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MFPNGTASSPSSSPSPSPGSCGEGGSRGPGAGAADGMEEPGRNASQNGTLSEGQGSAILISFI
YSVVCLVGLCGNSMVIYILRYAKMKTATNIMLNLAIDELLMLSVPFLVTSTLLRHWPFGALLCRLV
LSVDAVNMFSTSYCLTVLSVDRYVAVVHPIKAARYRRPTVAKVVNLGVVWLSLLVILPIVFSRTAA
NSDGTVACNMLMPEPAQRWLVGFLVYTFMLMGFLLPVGAICLCYVLIAMMRMVALKAGWQQRKRS
ERKITLMVMMVVMVFVICWMPFYVQLVNVFAEQDDATVSQLSVILGYANSCANPILYGF LSDNFK
RSFQRILCLSWMDNAAEPPVDYYATALKSRAYSVEDFQPENLESGGVFRNGTCTSRITTL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

69.1

Interspecies Antigen Sequence

Mouse (99); Rat (97)

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 — SSTR1

Entrez GeneID[6751](#)**GeneBank Accession#**[NM_001049.2](#)**Protein Accession#**[NP_001040.1](#)**Gene Name**

SSTR1

Gene Alias

SRIF-2

Gene Description

somatostatin receptor 1

Omim ID[182451](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Somatostatin acts at many sites to inhibit the release of many hormones and other secretory proteins. The biological effects of somatostatin are probably mediated by a family of G protein-coupled receptors that are expressed in a tissue-specific manner. The encoded protein is a member of the superfamily of somatostatin receptors having seven transmembrane segments, and is expressed in highest levels in jejunum and stomach. [provided by RefSeq]

Other Designations

G-protein coupled receptor

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Adenocarcinoma](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Mental Disorders](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Puberty](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)