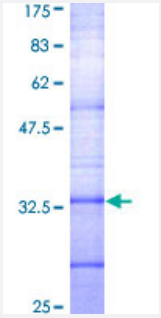
SSTR2 (Human) Recombinant Protein (Q01)

Catalog # H00006752-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human SSTR2 partial ORF (AAH19610, 1 a.a. - 60 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MDMADEPLNGSHTWLSIPFDLNGSVVSTNTSNQTEPYYDLTSNAVLTFIYFVVCIIGLCG
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	32.23
Interspecies Antigen Sequence	Mouse (73); Rat (68)
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 — SSTR2

Entrez GeneID	6752
GeneBank Accession#	BC019610
Protein Accession#	AAH19610
Gene Name	SSTR2
Gene Alias	-
Gene Description	somatostatin receptor 2
Omim ID	182452
Gene Ontology	Hyperlink
Gene Summary	Somatostatin acts at many sites to inhibit the release of many hormones and other secretory prot eins. The biologic effects of somatostatin are probably mediated by a family of G protein-coupled receptors that are expressed in a tissue-specific manner. SSTR2 is a member of the superfamily of receptors having seven transmembrane segments and is expressed in highest levels in cerebr um and kidney. [provided by RefSeq
Other Designations	-

Publication Reference

- A freeze-dried kit formulation for the preparation of Lys(27)(99mTc-EDDA/HYNIC)-Exendin(9-39)/99mTc-EDDA/HYNIC-Tyr3-Octreotide to detect benign and malignant insulinomas.

  Veronica Medina-García, Blanca E Ocampo-García, Guillermina Ferro-Flores, Clara L Santos-Cuevas, Liliana Aranda-Lara, Rocio García-Becerra, David Ordaz-Rosado, Laura Melendez-Alafort.

  Nuclear Medicine and Biology 2015 Dec; 42(12):911.

  Application: RIA, Recombinant protein

Pathway

- Neuroactive ligand-receptor interaction

Disease

- Acromegaly
- Adenocarcinoma
- Atherosclerosis
- Breast cancer
- Breast Neoplasms
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Esophageal Neoplasms
- Genetic Predisposition to Disease
- Head and Neck Neoplasms
- Insulin Resistance
- Mental Disorders
- Neoplasm Recurrence
- Neoplasms
- Obesity

- Ovarian Failure
- Polycystic Ovary Syndrome
- Prostate cancer
- Prostatic Neoplasms
- Puberty
- Thrombophilia
- Tobacco Use Disorder