

## Product datasheet for **CF812060**

### Somatostatin Receptor 5 (SSTR5) Mouse Monoclonal Antibody [Clone ID: OTI1E4]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1E4
Applications:	WB
Recommended Dilution:	WB 1:500
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2c
Clonality:	Monoclonal
Immunogen:	Synthetic peptide (the amino acid sequence is considered to be commercially sensitive) within Human SSTR5(NP_001044). The exact sequence is proprietary.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	somatostatin receptor 5
Database Link:	<a href="#">NP_001044</a> <a href="#">Entrez Gene 6755 Human</a> <a href="#">P35346</a>



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**Background:**

Somatostatin and its related peptide cortistatin exert multiple biological actions on normal and tumoral tissue targets by interacting with somatostatin receptors (SSTRs). The protein encoded by this gene is one of the SSTRs, which is a multi-pass membrane protein and belongs to the G-protein coupled receptor 1 family. The activity of this receptor is mediated by G proteins which inhibit adenylyl cyclase, and different regions of this receptor molecule are required for the activation of different signaling pathways. A mutation in this gene results in somatostatin analog resistance. Alternatively spliced transcript variants have been identified in this gene. [provided by RefSeq, Feb 2010]

**Synonyms:**

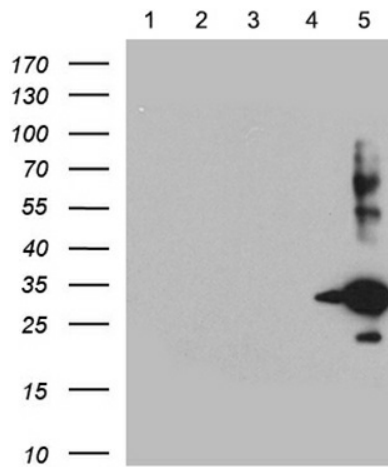
SS-5-R

**Protein Families:**

Druggable Genome, GPCR, Transmembrane

**Protein Pathways:**

Neuroactive ligand-receptor interaction

**Product images:**


Equivalent amounts of lysates (5 ug per lane) of SSTR1, 2, 3, 4 and 5 peptide (from lane 1 to 5) were separated by SDS-PAGE and immunoblotted with anti-SSTR5 antibody (1:500).