

SSTR2 recombinant protein

CatalogNo: YD3037

Key Features

ReactivityHuman,

Recommended Dilution Ratios

Storage

Storage*	-15°C to -25°C/1 year(Avoid freeze / thaw cycles)
Formulation	Phosphate-buffered solution

Basic Information

Source	Mammalian cells
Purification	Mammalian cells
Purity	>90% as determined by SDS-PAGE

Immunogen Information

Squence Amino acid:1-43,with human FC tag.

Target Information

Gene name SSTR2

Protein Name	Somatostatin receptor type 2 (SS	-2-R) (SS2-R) (SS2R) (SST2) (SF	RIF-1)	
	Organism	Gene ID	UniProt ID	
	Human	<u>6752;</u>	<u>P30874;</u>	
Cellular Localization	Cell membrane; Multi-pass membrane protein. Cytoplasm. Note=Located mainly at the cell surface under basal conditions. Agonist stimulation results in internalization to the cytoplasm.			
Tissue specificity	Expressed in both pancreatic alpha- and beta-cells (at protein level). Expressed at higher levels in the pancreas than other somatostatin receptors. Also expressed in the cerebrum and kidney and, in lesser amounts, in the jejunum, colon and liver. In the developing nervous system, expressed in the cortex where it is located in the preplate at early stages and is enriched in the outer part of the germinal zone at later stages. In the cerebellum, expressed in the deep part of the external granular layer at gestational week 19. This pattern persists until birth but disappears at adulthood.			
Function	Receptor for somatostatin-14 and G proteins to inhibition of adenyly phosphatase and PLC via pertuss calcium entry by suppressing vol dominant somatostatin receptor inhibitory effect of somatostatin- enhancement of MAPK1 and MAP CDKN1B. Stimulates neuronal mid development and maturation dur insulin receptor signaling through heterodimerization.	-28. This receptor is coupled will cyclase. In addition it stimula s toxin insensitive as well as seage-dependent calcium channer of pancreatic alpha- and beta-co. 4 on hormone secretion. Inhib (2 phosphorylation and subsect) gration and axon outgrowth and ng brain development. Mediate PTPN6. Inactivates SSTR3 received.	via pertussis toxin sensitive ates phosphotyrosine ensitive G proteins. Inhibits els. Acts as the functionally ells where it mediates the its cell growth through quent up-regulation of d may participate in neuron es negative regulation of eptor function following	

Validation Data

Contact information

5A



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Antibody | ELISA Kits | Protein | Reagents