

SSTR2/SSTR2A Protein-VLP, Human, Recombinant V2

General Information

Synonyms:	somatostatin receptor 2
Protein Construction:	Met1-Ile369
Species:	Human
Expression Host:	HEK293 Cells
Accession:	P30874-1
Molecular Weight:	42.7 kDa (Predicted)

QC Testing

Biological Activity:	Immobilized Human SSTR2 VLP at 5 µg/ml on the plate (100 µl/Well). Dose response curve for Anti-SSTR2 Antibody, hFc Tag with the EC50 of 32.8 ng/ml determined by ELISA.
Purity:	> 95% as determined by HPLC
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Supplied as 0.22 µm filtered solution in PBS (pH 7.4). Notice: If you need it for immunization, Do Not use any adjuvant.

Preparation and Storage

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Somatostatin receptor (SSTR) 2, widely expressed in meningioma, is a G-protein-coupled receptor and can be activated by somatostatin or its synthetic analogs. SSTR2 is therefore extensively studied as a marker and target for the diagnosis and treatment of meningioma.

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