Datasheet for ABIN7199157

SSTR2 Protein-VLP

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Overview

Quantity:	100 µg
Target:	SSTR2
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	VLP

Product Details

Purpose:	Human SSTR2 Full Length Protein-VLP (HEK293)
Sequence:	Met 1 - Ile 369
Characteristics:	Human SSTR2 Full Length Protein-VLP is expressed from human 293 cells (HEK293). It contains AA Met 1 - Ile 369 (Accession # P30874-1).
Purity:	>80 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.
Components:	Virus-like particles(VLPs) are formed by self-assembly of envelop/capsid proteins from viruses. Membrance Proteins can be constituted in-situ with VLPs produced from HEK293 cell cultures. These VLPs concentrate conformationally intact membrane proteins directly on the cell surface and produce soluble, high-concentration proteins perfect for immunization and antibody screening. The VLPs provide the display of properly folded membrane proteins in their native cellular membrane in a compact size of 100~300 nm diameter (similar to the size of most viruses) making it optimal targets for dendritic cells in vivo and surface attachment for phage display.

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Target Details

Target:	SSTR2
Alternative Name:	SSTR2 Protein-VLP (SSTR2 Products)
Background:	Synonyms: Smstr2,Somatostatin R2,somatostatin receptor 2,somatostatin receptor type 2,SomatostatinR2,SRIF-1,SS2R,SS-2-R,SS2-R,SST2,SSTR2, Somatostatin is a peptide with a potent and broad antisecretory action, which makes it an invaluable drug target for the pharmacological management of pituitary adenomas and neuroendocrine tumors. Somatostatin receptors (SSTR1, 2A and B, 3, 4 and 5) belong to the G protein coupled receptor family and have a wide expression pattern in both normal tissues and solid tumors. Investigating the function of each SSTR in several tumor types has provided a wealth of information about the common but also distinct signaling cascades that suppress tumor cell proliferation, survival and angiogenesis. This provided the rationale for developing multireceptor-targeted somatostatin analogs and combination therapies with signaling-targeted agents such as inhibitors of the mammalian (or mechanistic) target of rapamycin (mTOR). The ability of SSTR to internalize and the development of rabiolabeled somatostatin analogs have improved the diagnosis and treatment of neuroendocrine tumors.
Molecular Weight:	45.3 kDa

Application Details

Application Notes:	The protein has a calculated MW of 45.3 kDa.
Comment:	Virus-like particles (VLPs) are formed by self-assembly of envelop/capsid proteins from viruses. Membrance Proteins can be constituted in-situ with VLPs produced from HEK293 cell cultures. These VLPs concentrate conformationally intact membrane proteins directly on the cell surface and produce soluble, high-concentration proteins perfect for immunization and antibody screening. The VLPs provide the display of properly folded membrane proteins in their native cellular membrane in a compact size of 100~300 nm diameter (similar to the size of most viruses) making it optimal targets for dendritic cells in vivo and surface attachment for phage display.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS, pH 7.4

Handling

Storage:	-80 °C
Storage Comment:	-70°C

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