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Product Information

NativeExtract™ Human SSTR5 Membrane Protein (Full length, Super Nanodisc)

Cat. No.: **S01YF-1023-KX43**
This product is for research use only and is not intended for diagnostic use.

This product is recombinant Human SSTR5 protein in native nanodisc form. The synthetic compound we developed can solubilize the SSTR5 protein from membrane while retaining the native structure.

Product Specifications

Host Species
Human

Target Protein
SSTR5

Protein Length
Full length

Molecular Weight
39.2kDa

Sequence
Accession # P35346

Product Description

Activity
Yes

Application
ELISA; SPR Binding Assays; Phage Display Screening; Immunity; Functional Assays

Expression Systems
HEK293 expression system

Tag
Flag tag at the C-terminus

Protein Format
Native Nanodisc

Form
Liquid

Buffer

20 mM Tris-HCl, 150 mM NaCl, pH 8.0

Storage

The product should be stored at -20°C to -80°C.

Target

Target Protein

SSTR5

Full Name

Somatostatin receptor 5

Introduction

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.

Alternative Names

SS-5-R; somatostatin receptor type 5; somatostatin receptor subtype 5; SSTR5; Somatostatin receptor 5

Gene ID

6755

UniProt ID

P35346

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