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Product Information

MemDX™ Recombinant Human SSTR2 Membrane Protein in Virus-Like Particles (MP-VLPs)

Cat. No.: **S01YF-0522-KX1**
This product is for research use only and is not intended for diagnostic use.

This product is recombinant Human SSTR2 in VLPs form. This product is produced from HEK293 by co-expressing the retroviral structural core polyprotein (gag) and the target membrane protein. MP-VLPs display highly-expressed copies of membrane proteins in their native conformation, providing an alternative to membrane protein stable cell lines, membrane preparations, detergent-solubilized proteins and other membrane protein preparation strategies. MP-VLPs can be used for a wide range of applications in antibody production, antibody discovery, antibody characterization, binding assays and functional assays.

Product Specifications

Host Species
Human

Target Protein
SSTR2

Protein Length
Full length

Protein Class
GPCR

Molecular Weight
45.3 kDa

TMD
7

Sequence
MDMADEPLNG SHTWLSIPFD LNGSVVSTNT SNQTEPYYDL TSNAVLTFIY FVVCIIGLCG NTLVIYVILR YAKMKTITNI YILNLAIADE LFMLGLPFLA MQVALVHWPF GKAICRVVMT VDGINQFTSI FCLTVMSIDR YLAVVHPIKS AKWRRPRTAK MITMAVWGVS LLVILPIMIY AGLRSNQWGR SSCTINWPGE SGAWYTGFII YTFILGFLVP LTIICLCYLF IIIKVKSSGI RVGSSKRKKS EKKVTRMVSI VVAVFIFCWL PFYIFNVSSV SMAISPTPAL KGMFDFVVVL TYANSCANPI LYAFLSDNFK KSFQNVLCLV KVSGTDDGER SDSKQDKSRL NETTETQRTL LNGDLQTSI

Product Description

Activity
Yes

Application

ELISA; Antibody Production; Antibody Discovery; Antibody Characterization; Binding Assays; Functional Assays

Expression Systems

HEK293 expression system

Tag

Tag free

Protein Format

Membrane Protein-Virus Like Particles (MP-VLPs)

Form

Liquid

Purity

>80%

Buffer

Supplied as 0.22um filtered solution in PBS(pH 7.4).

Storage

The product should be stored at -20°C or lower. Avoid freeze-thaw cycles.

Target

Target Protein

SSTR2

Full Name

Somatostatin receptor 2

Introduction

Somatostatin acts at many sites to inhibit the release of many hormones and other secretory proteins. The biologic effects of somatostatin are probably mediated by a family of G protein-coupled receptors that are expressed in a tissue-specific manner. SSTR2 is a member of the superfamily of receptors having seven transmembrane segments and is expressed in highest levels in cerebrum and kidney.

Alternative Names

somatostatin receptor type 2; SRIF-1; SS2R; SSTR2; Somatostatin receptor 2

Gene ID

6752

UniProt ID

P30874