Human SSTR5 Knockdown Cell Lysate

Cat. No. SSTR5-433HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated SSTR5 Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	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.
Form	Cell-Tissue Lysis buffer
Molecular Mass	39 kDa
Notes	Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.
Storage	Store at -20 centigrade for two years.

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Concentration	Lot-specific
Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg SSTR5 KD HeLa cell lysate
Protein Families	Druggable Genome, GPCR, Transmembrane
Protein Pathways	Neuroactive ligand-receptor interaction
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	SSTR5 somatostatin receptor 5 [Homo sapiens (human)]
Official Symbol	SSTR5
Synonyms	SSTR5; somatostatin receptor 5; somatostatin receptor type 5; somatostatin receptor subtype 5; SS-5-R;
Gene ID	6755
mRNA Refseq	NM_001053
Protein Refseq	NP_001044
MIM	182455
UniProt ID	P35346

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