Recombinant Human HTR6 293 Cell Lysate

Cat. No. HTR6-5331HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for 5-hydroxytryptamine (serotonin) receptor 6 (HTR6) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	HTR6 5-hydroxytryptamine (serotonin) receptor 6, G protein-coupled [Homo sapiens]
Official Symbol	HTR6
Synonyms	HTR6; 5-hydroxytryptamine (serotonin) receptor 6, G protein-coupled; 5 hydroxytryptamine (serotonin) receptor 6; 5-hydroxytryptamine receptor 6; 5 HT6; 5 HT6R; 5-HT-6; serotonin receptor 6; 5-HT6; 5-HT6R;
Gene ID	3362
mRNA Refseq	NM_000871
Protein Refseq	NP_000862
MIM	601109
UniProt ID	P50406
Chromosome Location	1p36-p35
Pathway	Amine ligand-binding receptors, organism-specific biosystem; Calcium signaling pathway, organism-specific biosystem; Calcium signaling pathway, conserved biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; G

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	alpha (s) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem;
Function	G-protein coupled receptor activity; histamine receptor activity; protein binding; receptor activity; signal transducer activity;

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