Recombinant Human HTR1E 293 Cell Lysate

Cat. No. HTR1E-5336HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for 5-hydroxytryptamine (serotonin) receptor 1E (HTR1E) 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	HTR1E 5-hydroxytryptamine (serotonin) receptor 1E, G protein-coupled [Homo sapiens]
Official Symbol	HTR1E
Synonyms	HTR1E; 5-hydroxytryptamine (serotonin) receptor 1E, G protein-coupled; 5 hydroxytryptamine (serotonin) receptor 1E; 5-hydroxytryptamine receptor 1E; 5 HT1E; S31; 5-HT-1E; serotonin receptor 1E; 5-HT1E;
Gene ID	3354
mRNA Refseq	NM_000865
Protein Refseq	NP_000856
MIM	182132
UniProt ID	P28566
Chromosome Location	6q14-q15
Pathway	Amine ligand-binding receptors, organism-specific biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; G alpha (i) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem;

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	GPCR ligand binding, organism-specific biosystem; GPCRs, Class A Rhodopsin-like, organism-specific biosystem; Monoamine GPCRs, organism-specific biosystem;
Function	G-protein coupled receptor activity; receptor activity; serotonin binding; serotonin receptor activity; signal transducer activity;

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