

Product datasheet

Human HTR3D (5HT3D Receptor) knockout A549 cell lysate ab263231

2 Images

Overview

Product name	Human HTR3D (5HT3D Receptor) knockout A549 cell lysate
Product overview	Knockout cell lysate achieved by CRISPR/Cas9.
Parental Cell Line	A549
Organism	Human
Mutation description	Knockout achieved by using CRISPR/Cas9, 1 bp deletion in exon6 and 2 bp insertion in exon6.
Passage number	<20
Knockout validation	Sanger Sequencing
Reconstitution notes	To use as WB control, resuspend the lyophilizate in 50 µL of LDS* Sample Buffer to have a final concentration of 2 mg/ml. For reducing conditions, we recommend a final concentration of 0.1 M DTT. <i>*Usage of SDS sample buffer is not recommended with these lyophilized lysates.</i>

Notes

Lysate preparation: Our lysates are made using RIPA buffer to which we add a protease inhibitor cocktail and phosphatase inhibitor cocktail (ratio: 300:100:10). *This means that the protein of interest is denatured.* If you require a native form of the protein please use the live cell version - found [here](#). Please refer to our lysis protocol for further details on how our lysates are prepared.

User storage instructions: After reconstitution, store the lysate at -80°C.

Access thousands of knockout cell lysates, generated from commonly used cancer cell lines. [See here for more information on knockout cell lysates.](#)

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Properties

Storage instructions Store at -80°C. Please refer to protocols.

Components	1 kit
ab262736 - Human HTR3D knockout A549 cell lysate (Lyophilized)	1 x 100µg
ab255554 - Human wild-type A549 cell lysate (Lyophilized)	1 x 100µg

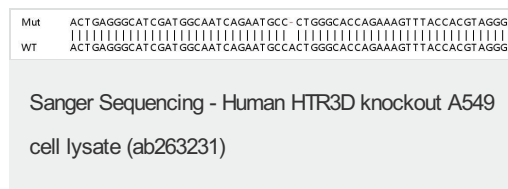
Cell type epithelial
Disease Carcinoma
STR Analysis Amelogenin X,Y D5S818: 11 D13S317: 11 D7S820: 8, 11 D16S539: 11, 12 WWA: 14 TH01: 8,9,3 TPOX: 8,11 CSF1PO: 10, 12

Target

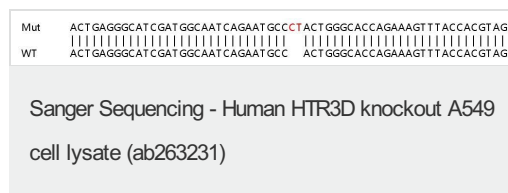
Relevance This is one of the several different receptors for 5-hydroxytryptamine (serotonin), a biogenic hormone that functions as a neurotransmitter, a hormone, and a mitogen. This receptor is a ligand-gated ion channel, which when activated causes fast, depolarizing responses. It is a cation-specific, but otherwise relatively nonselective, ion channel.

Cellular localization Cell membrane; Multi-pass membrane protein. Note: Presumably retained within the endoplasmic reticulum unless complexed with HTR3A.

Images



Allele-1: 1 bp deletion in exon6



Allele-2: 2 bp insertion in exon6

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