abcam

Product datasheet

Human NLGN4X knockout HeLa cell lysate ab263279

2 Images

Overview

Product name	Human NLGN4X knockout HeLa cell lysate
Product overview	Knockout cell lysate achieved by CRISPR/Cas9.
Parental Cell Line	HeLa
Organism	Human
Mutation description	Knockout achieved by using CRISPR/Cas9, 1 bp deletion in exon 2 and Insertion of the selection cassette in exon 2.
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. **Usage of SDS sample buffer is not recommended with these lyophilized lysates.*
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:** Lyophilizate may be stored at 4°C. After reconstitution, store at -20°C for short-term storage or -80°C for long-term storage. Access thousands of knockout cell lysates, generated from commonly used cancer cell lines. See here for more information on knockout cell lysates. Abcam has not and does not intend to apply for the REACH Authorisation of customers' uses of products that contain European Authorisation list (Annex XIV) substances. It is the responsibility of our customers to check the necessity of application of REACH Authorisation, and any other relevant authorisations, for their intended uses. This product is subject to limited use licenses from The Broad Institute, ERS Genomics Limited and Sigma-Aldrich Co. LLC, and is developed with patented technology. For full details of the licenses and patents please refer to our limited use license and patent pages.

Properties

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

Components	1 kit
ab260813 - Human NLGN4X knockout HeLa cell lysate	1 x 100µg
ab255552 - Human wild-type HeLa cell lysate	1 x 100µg

Cell type	epithelial
Disease	Adenocarcinoma
Gender	Female
STR Analysis	Amelogenin X D5S818: 11, 12 D13S317: 12, 13.3 D7S820: 8, 12 D16S539: 9, 10 vWA: 16, 18 TH01: 7 TPOX: 8, 12 CSF1PO: 9, 10

Target

Function	Putative neuronal cell surface protein involved in cell-cell-interactions.
Tissue specificity	Expressed at highest levels in heart. Expressed at lower levels in liver, skeletal muscle and pancreas and at very low levels in brain.
Involvement in disease	Defects in NLGN4X may be the cause of susceptibility to autism X-linked type 2 (AUTSX2) [MIM:300495]. AUTSX2 is a pervasive developmental disorder (PDD), prototypically characterized by impairments in reciprocal social interaction and communication, restricted and stereotyped patterns of interests and activities, and the presence of developmental abnormalities by 3 years of age. Defects in NLGN4X may be the cause of susceptibility to X-linked Asperger syndrome 2 (ASPGX2) [MIM:300497]. ASPGX2 is considered to be a form of childhood autism.
Sequence similarities	Belongs to the type-B carboxylesterase/lipase family.
Cellular localization	Membrane.

Images

Sanger Sequencing - Human NLGN4X knockout HeLa cell lysate (ab263279)

Allele-1: 1 bp deletion in exon 2

Sanger Sequencing - Human NLGN4X knockout

HeLa cell lysate (ab263279)

Allele-2: Insertion of the selection cassette in exon 2

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