HEK-ADAM10 CRISPR cell line

Catalogue number: 157701
Sub-type: Continuous
Images:

Contributor

Inventor: Michael Tomlinson
Institute: University of Birmingham
Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: HEK-ADAM10 CRISPR cell line

Alternate name: A Disintegrin And Metalloproteinase domain-containing protein 1, CRISPR-Cas9

Class:
Conjugate:
Description: A disintegrin and metalloprotease 10 (ADAM10) is essential for embryonic development and impacts on diseases such as cancer, Alzheimer??Â?s and inflammatory diseases. ADAM10 is a ??Â?molecular scissor??Â? that proteolytically cleaves the extracellular region from over 100 substrates, including Notch, amyloid precursor protein, cadherins, growth factors and chemokines.CRISPR edited ADAM 10 HEK-293T cells.Generation of CRISPR/Cas9-knockout cell line:A guide RNA sequences was selected for human ADAM10, and the following primer pairs were used to encode these sequences: ADAM10 guide 2 (5??Â?-CACCGATACCTCTCATATTTACAC-3??Â? and 5??Â?-AAACGTGTAAATATGAGAGGTATC-3??Â?)
Purpose:
Parental cell: HEK 293T
Organism: Human
Tissue: Kidney
Model:
Gender:
Isotype:
Reactivity:
Selectivity:
Host:
Immunogen:
Immunogen UNIPROT ID:
Sequence:
Growth properties:

Production details:
Formulation:
Recommended controls:
Bacterial resistance:
Selectable markers:
Additional notes:

Target details

Target: ADAM10

Target alternate names:

Target background:

Molecular weight:

Ic50:

Applications

Application:
Application notes:

Handling

Format: Frozen
Concentration:
Passage number:
Growth medium: Cancer Research Technology Limited (trading research tools as Ximbio) has been granted a non-exclusive license to the CRISPR-Cas9 technology by ERS Genomics Ltd under the patent rights listed here.This license from ERS Genomics Ltd allows Ximbio to develop and commercialise CRISPR-Cas9 modified cell lines for research use only. Ximbio can provide these modified CRISPR-Cas9 ...
Temperature:
Atmosphere:
Volume:
Storage medium:
Storage buffer:
Storage conditions:
Shipping conditions: Dry ice

Related tools

Related tools:

References

References: Kalinina et al. 2014. J Exp Med. 211(2):357-64. PMID: 24470445. ; Neeli et al. 2007. Mol Immunol. 44(8):1914-21. PMID: 17084454. ; Cocca et al. 2001. Proc Natl Acad Sci U S A. 98(24):13826-31. PMID: 11717440.