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CLDN4 Human

Claudin-4 Human Recombinant
RCP0445

Product Overview

Name	CLDN4 Human
Description	
Claudin-4 Human Recombinant	
Accession (Primary)	O14493
Synonyms	
Claudin 4, CPE-R, CPE-receptor, Clostridium perfringens enterotoxin receptor 1, WBSCR8, Williams-Beuren syndrome chromosomal region 8 protein, CPETR1.	
Introduction	
CLDN4 encodes an integral membrane protein that is a member of the claudin family. CLDN4 is a factor of tight junction strands and takes part in internal organ development and function in pre- and postnatal life. CLDN4 is removed in Williams-Beuren syndrome, a neurodevelopmental disorder affecting multiple systems.	
Source	
Escherichia Coli.	
Physical Appearance	
Filtered White lyophilized (freeze-dried) powder.	
Formulation	
Filtered (0.4 µm) and lyophilized from 0.5 mg/ml in 0.05M Acetate buffer pH-4.	
Stability	
Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
MKHHHHHHAS MWRVTAFIGS NIVTSQTIWE GLWMNCVVQS TGQMQCKVYD SLLALPQDLQ AAR LEVLFQG PTAHNIIQDF YNPLVASGQK REM MWRVTAFIGS NIVTSQTIWE GLWMNCVVQS TGQMQCKVYD SLLALPQDLQ AAR LEVLFQG PTAHNIIQDF YNPLVASGQK REM.	
Solubility	

It is recommended to add 0.1M Acetate buffer pH4 to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely. For conversion into higher pH value, we recommend intensive dilution by relevant buffer to a concentration of 10ug/ml. In higher concentrations the solubility of this antigen is limited. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

Precautions

CLDN4 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O14493)