

CLDN4 Human

Description: The CLDN4 Protein Human is produced in E. coli, and its molecular weight is 10.63 kDa. The protein containing 93 amino acid residues of the human CLDN4, 10 amino acid N-Terminal HisTag residues and 8 additional amino acid PreScission protease cleavage site. The protein is a fusion protein consisting of two extracellular domains of claudin-4 linked together with the PreScission protease LEVLFQGP cleavage site.

Catalog #: PRPS-210

For research use only.

Synonyms: Claudin 4, CPE-R, CPE-receptor, Clostridium perfringens enterotoxin receptor 1, WBSR8, Williams-Beuren syndrome chromosomal region 8 protein, CPETR1.

Source: Escherichia Coli.

Physical Appearance: Filtered White lyophilized (freeze-dried) powder.

Amino Acid Sequence: MKHHHHHHAS MWRVTAFIGS NIVTSQTIWE GLWMNCVVQS
TGQMCKVYD SLLALPQDLQ AAR LEVLFQG PTAHNIIQDF YNPLVASGQK REM
MWRVTAFIGS NIVTSQTIWE GLWMNCVVQS TGQMCKVYD SLLALPQDLQ AAR LEVLFQG
PTAHNIIQDF YNPLVASGQK REM.

Purity: Greater than 90% as determined by densitometric image analysis.

Formulation:

Filtered (0.4

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Applications:

Western blotting, ELISA.

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 10µg/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.

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.

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