



Claudin-4 Human Recombinant

Item Number	rAP-4194
Synonyms	Claudin 4, CPE-R, CPE-receptor, Clostridium perfringens enterotoxin receptor 1, WBSCR8, Williams-Beuren syndrome chromosomal region 8 protein, CPETR1.
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
Uniprot Accession Number	O14493
Amino Acid Sequence	MKHHHHHHAS MWRVTAFIGS NIVTSQTIWE GLWMNCVVQS TGQMQCKVYD SLLALPQDLQ AAR LEVLFQG PTAHNIIQDF YNPLVASGQK REM MWRVTAFIGS NIVTSQTIWE GLWMNCVVQS TGQMQCKVYD SLLALPQDLQ AAR LEVLFQG PTAHNIIQDF YNPLVASGQK REM.
Source	Escherichia Coli.
Physical Appearance and Stability	Filtered White lyophilized (freeze-dried) powder. 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.
Formulation and Purity	Filtered (0.4 µm) and lyophilized from 0.5 mg/ml in 0.05M Acetate buffer pH-4. Greater than 90.0% as determined by SDS-PAGE.
Application	
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
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**