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Zuschläge

- Mindermengenzuschlag
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Datasheet

CLDN8 (Human) Recombinant Protein (P01)

Catalog Number: H00009073-P01

Regulation Status: For research use only (RUO)

Product Description: Human CLDN8 full-length ORF (NP_955360.1, 1 a.a. - 225 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MATHALEIAGLFLGGVGMVGTVAVTVMQWRVSAFIE
NNIVVFENFWGLWMNCVRQANIRMQCKIYDSSLALS
PDLQAARGLMCAASVMSFLAFMMAILGMKCTRCTGD
NEKVKAHILLTAGIIFIITGMVVLIPVSWVANAIIRDFYNSI
VNVAQKRELGEALYLGWTTALVLIVGGALFCCVFCCN
EKSSSYRYSIPSHRTTQKSYHTGKKSPSVYSRSQYV

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 51.2

Interspecies Antigen Sequence: Mouse (82); Rat (83)

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 9073

Gene Symbol: CLDN8

Gene Alias: -

Gene Summary: Claudins, such as CLDN8, are components of epithelial cell tight junctions. Tight junctions regulate movement of solutes and ions through the paracellular space and prevent mixing of proteins and lipids in the outer leaflet of the apical and basolateral plasma membrane domains (Acharya et al., 2004).[supplied by OMIM]

References:

1. Campylobacter jejuni Serine Protease HtrA Cleaves the Tight Junction Component Claudin-8. Irshad Sharafutdinov, Delara Soltan Esmaeili, Aileen Harrer, Nicole Tegtmeyer, Heinrich Sticht, Steffen Backert. Front Cell Infect Microbiol. 2020 Dec 8;10:590186. doi: 10.3389/fcimb.2020.590186.
2. Helicobacter pylori Employs a Unique Basolateral Type IV Secretion Mechanism for CagA Delivery. Tegtmeyer N, Wessler S, Necchi V, Rohde M, Harrer A, Rau TT, Asche CI, Boehm M, Loessner H, Figueiredo C, Naumann M, Palmisano R, Solcia E, Ricci V, Backert S. Cell Host Microbe. 2017 Oct 11;22(4):552-560.e5