

Product Datasheet

Recombinant Human Claudin-1 GST (N-Term) Protein H00009076-P01-2ug

Unit Size: 2 ug

Store at -80C. Avoid freeze-thaw cycles.

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Publications: 5

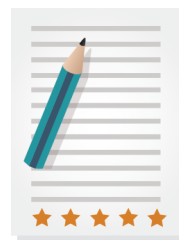
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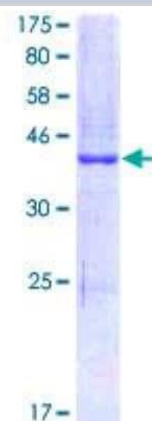
H00009076-P01-2ug**Recombinant Human Claudin-1 GST (N-Term) Protein**

Product Information	
Unit Size	2 ug
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -80C. Avoid freeze-thaw cycles.
Preservative	No Preservative
Purity	>80% by SDS-PAGE and Coomassie blue staining
Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH 8.0 in the elution buffer.
Target Molecular Weight	48.95 kDa
Product Description	
Description	A recombinant protein with GST tag at N-terminal corresponding to the amino acids 1-211 of Human CLDN1 Source: <i>Wheat Germ (in vitro)</i> Amino Acid Sequence: MANAGLQLLGFI LAFLGWIGAIVSTALPQWRIYSYAGDNIVTAQAMY EGLWMSC VSQSTGQIQCKVFD SLLNLSSTLQATRALMVVGILLGVIAIFVATVGMKCMKCLE DDEVQKMRMAVIGGAIFLLAGLAILVATAWYGNRIVQEFYDPMTPV NARYEFGQ ALFTGWAAASLCLLGGALLCCSCPRKTTSYPTPRPYPKPAPSSGKDYV
Gene ID	9076
Gene Symbol	CLDN1
Species	Human
Preparation Method	in vitro wheat germ expression system
Details of Functionality	This protein was produced in an in vitro wheat germ expression system that should preserve correct conformational folding that is necessary for biological function. While it is possible that this protein could display some level of activity, the functionality of this protein has not been explicitly measured or validated.
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Protein Array, Immunoaffinity Purification
Recommended Dilutions	Western Blot, ELISA, Protein Array, Immunoaffinity Purification



Images

SDS-Page: Recombinant Human Claudin-1 Protein [H00009076-P01] - 12.5% SDS-PAGE Stained with Coomassie Blue.



Publications

Broussard EK, Kim R, Wiley JC et al. Identification of putative immunologic targets for colon cancer prevention based on conserved gene expression from pre-invasive to malignant lesions. *Cancer Prev Res (Phila Pa)* 2013-06-10 [PMID: 23682078]

Morishima A, Hirano T, Nishikawa H et al. Comprehensive exploration of autoantibody in Behcets disease: A novel autoantibody to claudin-1, an essential protein for tight junctions, is identified. *Joint Bone Spine*. 2014-04-29 [PMID: 24792642]

Lim TS, Vedula SR, Hunziker W et al. Kinetics of Adhesion Mediated by Extracellular Loops of Claudin-2 as Revealed by Single Molecule Force Spectroscopy. *J Mol Biol*;381(3):681-91. 2008-09-05 [PMID: 18635194]

Lim TS, Vedula SR, Huic S et al. Probing Effects of pH change on Dynamic Response of Claudin-2 Mediated Adhesion Using Single Molecule Force Spectroscopy. *Exp Cell Res* 2008-06-01 [PMID: 18602630]

Lim TS, Vedula SR, Kausalya PJ et al. Single-molecular-level study of claudin-1-mediated adhesion. *Langmuir*;24(2):490-5. 2008-01-15 [PMID: 18095722]



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