Recombinant Human CDH13, GST-tagged

Cat. No. CDH13-11031H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CDH13 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-350a.a.
Description	The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitosis, and oncogenic transformation. This PTP contains an extracellular domain, a single transmembrane segment and two tandem intracytoplasmic catalytic domains, and thus is classified as a receptor type PTP. This PTP has been shown to be an essential regulator of T- and B-cell antigen receptor signaling. It functions through either direct interaction with components of the antigen receptor complexes, or by activating various Src family kinases required for the antigen receptor signaling. This PTP also suppresses JAK kinases, and thus functions as a regulator of cytokine receptor signaling. Alternatively spliced transcripts variants of this gene, which encode distinct isoforms, have been reported.
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.

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Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100,15%glycerol.

GENE INFORMATION

Gene Name	CDH13 cadherin 13, H-cadherin (heart) [Homo sapiens]
Official Symbol	CDH13
Synonyms	CDH13; cadherin 13, H-cadherin (heart); cadherin-13; CDHH; T cadherin; T-cad; H-cadherin; T-cadherin; heart cadherin; P105;
Gene ID	1012
mRNA Refseq	NM_001220488
Protein Refseq	NP_001207417
MIM	601364
UniProt ID	P55290
Chromosome Location	16q23.3
Pathway	Adherens junctions interactions, organism-specific biosystem; Cell junction organization, organism-specific biosystem; Cell-Cell communication, organism-specific biosystem; Cell-cell junction organization, organism-specific biosystem;
Function	adiponectin binding; cadherin binding; calcium ion binding; lipoprotein particle binding; low-density lipoprotein particle binding;

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