

Recombinant Human CDH11, GST-tagged

Cat. No. CDH11-11030H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CDH11 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	29-380a.a.
Description	The protein encoded by this gene is a cell-surface glycoprotein involved in cell-cell interactions, cell adhesion and migration. It is a receptor for hyaluronic acid (HA) and can also interact with other ligands, such as osteopontin, collagens, and matrix metalloproteinases (MMPs). This protein participates in a wide variety of cellular functions including lymphocyte activation, recirculation and homing, hematopoiesis, and tumor metastasis. Transcripts for this gene undergo complex alternative splicing that results in many functionally distinct isoforms, however, the full length nature of some of these variants has not been determined. Alternative splicing is the basis for the structural and functional diversity of this protein, and may be related to tumor metastasis.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

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GENE INFORMATION

Gene Name	CDH11 cadherin 11, type 2, OB-cadherin (osteoblast) [Homo sapiens]
Official Symbol	CDH11
Synonyms	CDH11; cadherin 11, type 2, OB-cadherin (osteoblast); cadherin-11; CAD11; OB; OB Cadherin; CDHOB; OSF-4;
Gene ID	1009
mRNA Refseq	NM_001797
Protein Refseq	NP_001788
MIM	600023
UniProt ID	P55287
Chromosome Location	16q21
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	calcium ion binding;

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