

## 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<sub>2</sub>HPO<sub>4</sub>, 17mM NaH<sub>2</sub>PO<sub>4</sub>, 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

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**GENE INFORMATION**

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

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