

Recombinant Human CDH11 (C-6His)

Catalog #	EPT231
Expression Host	Human Cells
DESCRIPTION	Recombinant Human Cadherin-11 is produced by our
	Mammalian expression system and the target gene
	encoding Phe23-Thr617 is expressed with a 6His tag at
	the C-terminus.
Accession	Q96CZ9
Synonyms	Cadherin 11 Type 2 OB-cadherin (Osteoblast);
	Cadherin 11 Type 2 OB-Cadherin (Osteoblast) Isoform
	CRA_c; CDH11
Mol Mass	66.63 KDa
AP Mol Mass	82 KDa, reducing conditions
Purity	Greater than 95% as determined by reducing
	SDS-PAGE.
Endotoxin	Less than 0.1 ng/ μ g (1 EU/ μ g) as determined by LAL
	test.
FORMULATION	Lyophilized from a 0.2 μ m filtered solution of 20mM
	PB, 150mM NaCl, pH 7.4.



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RECONSTITUTION Always centrifuge tubes before opening.Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. SHIPPING The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below. Lyophilized protein should be stored at < -20 °C, STORAGE though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at $< -20^{\circ}$ C for 3 months. Cadherin-11 is a type II classical cadherin member of BACKGROUND the cadherin superfamily of integral membrane proteins that mediate calcium-dependent cell-cell adhesion. Cadherins interact with themselves in a homophilic manner in connecting cells, and thus



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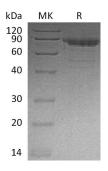
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contribute to the sorting of heterogeneous cell types.

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Cadherin-11 contains five cadherin domains and is mainly expressed in the brain. Mature cadherin proteins consists of a large N-terminal extracellular domain, a single membrane-spanning domain, and a highly conserved C-terminal cytoplasmic small domain. It is shown that Cadherin-11 is a viable molecular target for therapeutic intervention in Glioblastoma multiforme.



SDS-PAGE



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