Recombinant Cynomolgus CDH11 Protein, His Tagged

Cat. No. CDH11-11188C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Cynomolgus Cadherin-11 Protein, His Tag is expressed from human 293 cells (HEK293). It contains AA Gly 54-Thr 617 (Accession # A0A2K5TN17). This protein carries a polyhistidine tag at the C-terminus. Predicted N-terminus: Gly 54
Species	Cynomolgus
Source	HEK293
ProteinLength	54-617 aa
Description	Cadherin-11 is a type II cadherin which mediates cell-to-cell homophilic interactions. Cadherin-11 is mainly expressed on mesenchymal cells and is essential for tissue migration and organization during embryogenesis, while its expression on epithelial cancer cells is implicated in tumor progression and metastasis suggesting a potential role in the epithelial-to-mesenchymal transition phenomenon. Expression of this particular cadherin in osteoblastic cell lines, and its upregulation during differentiation, suggests a specific function in bone development and maintenance. In addition, cadherin-11 has been shown to increase the invasive capacity of Fibroblast-like Synoviocytes (FLS) and consequently be involved in the formation of the rheumatoid pannus.
Form	Lyophilized from 0.22 μm filtered solution in PBS, pH7.4 with trehalose as protectant.
Molecular Mass	The protein has a calculated MW of 63.8 kDa. The protein migrates as 70-90 kDa when calibrated against Star Ribbon Pre-stained Protein Marker under reducing (R)

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	condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU/μg by the LAL method/rFC method.
Purity	>90% as determined by SDS-PAGE. >90% as determined by SEC-MALS.
Storage	This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution. For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 μg/μL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

GENE INFORMATION

Gene Name	CDH11 cadherin 11 [Macaca fascicularis (crab-eating macaque)]
Official Symbol	CDH11
Synonyms	CDH11; cadherin 11; cadherin-11; Osteoblast cadherin; cadherin 11, type 2, OB-cadherin (osteoblast)
Gene ID	102132388
mRNA Refseq	XM_065536991
Protein Refseq	XP_065393063
UniProt ID	A0A2K5TN17

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