

Title (en)  
PEPTIDE-BASED REGULATION OF GAP JUNCTIONS

Title (de)  
PEPTIDBASIERTE REGULIERUNG VON GAP-JUNCTIONS

Title (fr)  
REGULATION DE JONCTIONS COMMUNICANTES A L AIDE DE PEPTIDES

Publication  
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Application  
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Abstract (en)  
[origin: WO2007084895A2] The present invention relates to proteins and polypeptides that (i) have the formula A-[W-A]<SUB>n</SUB> where A is a peptide of formula XXXXRXPXXXX where X is any amino acid, R is arginine, and P is proline; W is a linker; and n is any number from 1 through 5; or (ii) consist essentially of the formula X<SUB>n</SUB>RXPX<SUB>3n</SUB> where each X is any amino acid, R is arginine, P is proline, n is any number from zero to fifteen, m is any number from zero to fifteen, and the sum of n and m is between ten and fifteen. Methods using these proteins and polypeptides to: screen for compounds that modulate Cx43CT, measure Cx43CT-binding affinity of a compound that binds to Cx43CT, and identify the location of an RXP-binding domain of Cx43CT, are also disclosed.

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