

PCDH7 Protein, Human (sf9, His)

Cat. No.:	HY-P75956
Synonyms:	Protocadherin-7; Brain-heart protocadherin; BH-Pcdh; PCDH7; BHPCDH
Species:	Human
Source:	Sf9 insect cells
Accession:	O60245 (A29-S879)
Gene ID:	5099
Molecular Weight:	Approximately 94 kDa

PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.22 µm filtered solution of 20 mM PB, pH 7.0, 500 mM NaCl, 10% gly.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	PCDH7 as the first trans-membrane protein that inhibits hoCIC formation to promote tumor growth. PCDH7 overexpression reduces synaptic NMDA receptor currents. PCDH7 can regulate dendritic spine morphology and synaptic function. PCDH7 is highly expressed in the brain and has been linked to CNS disorders, including epilepsy. PCDH7 increases the level of pMLC2 leading to enhanced actomyosin at the intercellular region and compromised hoCIC formation ^[2] .
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Caution: Product has not been fully validated for medical applications. For research use only.

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