

Cadherin 8/CDH8 Protein, Human, Recombinant (His)

General Information

Synonyms:	cadherin 8, type 2;Nbla04261
Protein Construction:	Ala30-Met621
Species:	Human
Expression Host:	HEK293 Cells
Accession:	P55286
Molecular Weight:	66.07 kDa (Predicted); 89 kDa (Reducing conditions)

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Cadherin-8 (CDH8) is a type II classical cadherin from the cadherin superfamily. Member of the Cadherin superfamily are integral membrane proteins that mediate calcium-dependent cell-cell adhesion. Cadherin proteins are composed of a large N-terminal extracellular domain, a single membrane-spanning domain, and a small highly conserved C-terminal cytoplasmic domain. Cadherins are calcium dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells. The extracellular domain of CDH8 contains five cadherin domains. CDH8 is expressed in brain and is putatively involved in synaptic

adhesion, axon outgrowth and guidance.

Reference

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