

## 32-7743: Recombinant Human Cadherin-8/CDH8 (C-6His)

**Gene :** CDH8  
**Gene ID :** 1006  
**Uniprot ID :** P55286

### Description

Source: Human Cells.  
MW :66.07kD.

Recombinant Human Cadherin-8 is produced by our Mammalian expression system and the target gene encoding Ala30-Met621 is expressed with a 6His tag at the C-terminus. 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.4.  
**Storage condition :** Lyophilized protein should be stored at -20°C, 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°C for 3 months.  
**Amino Acid :** APMNQSQVLMMSGSPLELNSLGEEQRILNRSKRGVWVWQMFVLEEFSGPEPILVGR LHDTLDPGSKKIKYILSGD  
GAGTIFQINDVTGDIHAIKRLDREEKAEYTLTAQAVDWETSKLEPPSEFIKVDINDNAPEFLNGPYHATVPEM  
SILGTSVTNVTATDADDPVYGN SAKLVYSILEGQPYFSIEPETAIKTALPNMDREAKEEYLVVIQAKDMGGHSGG  
LSGTTTTLTVTLTDVNDNPPKFAQS L YHFSVPEDVVLGTAIGRVKANDQDIGENAQSSYDIIDGDGTALFEITSDA  
QAQDGIIRLRKPLDFETKSYTLKVEAANVHIDPRFSGRGPFKDTATVKIVVEDADEPPVFSSPTYLLEVHENAAL  
NSVIGQVTARDPDITSSPIRFSIDRHTDLERQFNINADDGKITLATPLDRELSVWHNITIIATEIRNHSQISRVPVAI  
KVLVDVNDNAPEFASEYEAFLCENGKPGQVIQTVSAMDKDDPKNGHYFLYLLPEMVNNPNFTIKKNEDNSLSIL  
AKHNGFNRRQKQEVYLLPIISDSGNPPLSSTSTLTIRVCGCSNDGVVQSCNVEAYVLPGLSMVDHHHHHH

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 Åµg/ml. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/Åµg (1 IEU/Åµg) as determined by LAL test.