

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 : APMNQSQVLMMSGSPLELNSLGEEQRILNRSKRGWVWNQMFVLEEFSGPEPILVGRRLHTDLDPGSKKIKYILSGD GAGTIFQINDVTGDIHAIKRLDREEKAEYTLTAQAVDWETSKLEPPSEFIKVDINDNAPEFLNGPYHATVPEM SILGTSVTNVTATDADDPVYGNLSAKLVYSILEGQPYFSIEPETAIKTALPNMDREAKEEYLVIQAKDMGGHSGG LSGTTTTLTVLTDVNDNPPKFAQSLYHFSVPEDVVLGTAIGRVKANDQDIGENAQSSYDIIDGDGTALFEITSDA QAQDGIIRLRKPLDFETKKSYYTLKVEAANVHIDPRFSGRGPFKDTATVKIVVEDADEPPVFSSTPYLLEVHENAAL NSVIGQVTARDPDITSSPIRFSIDRHTDLERQFNINADDGKITLATPLDRELSVWHNITIIATEIRNHSQISRVPVAI KVLVDVNDNAPEFASEYEAFLCENGKPGQVIQTVSAMDKDDPKNGHYFLYLLPEMVNPNFTIKKNEDNSLSIL AKHNGFNQRKQEVYLLPIISDSGNPPLSSTSTLTIRVCGCSNDGVVQSCNVEAYVLPGLSMVDHHHHHH

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 µg/ml. Dissolve the lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

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