

Active Recombinant Full Length Human CBLN2 Protein, HA tagged

Cat. No. CBLN2-03HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Full Length Human CBLN2 Protein with HA tag was expressed in CHO.
Species	Human
Source	CHO
ProteinLength	50-224 aa
Description	Predicted to be involved in maintenance of synapse structure and spontaneous synaptic transmission. Predicted to act upstream of or within positive regulation of synapse assembly. Predicted to be located in synaptic cleft. Predicted to be part of trans-synaptic protein complex. Predicted to be active in glutamatergic synapse.
Bio-activity	Measured by its binding ability in a functional ELISA. When Recombinant Human Cerebellin-2 is coated at 5 µg/mL, biotinylated recombinant rat NRXN-1 beta binds with an apparent KD <1.5 nM. Measured by its ability to enhance neurite outgrowth of E16-E18 rat embryonic cortical neurons. Recombinant Human Cerebellin-2, immobilized at 3-30 µg/mL, is able to significantly enhance neurite outgrowth.
N-terminal Sequence Analysis	Tyr
Molecular Mass	20 kDa

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Endotoxin	< 1 EU/μg of protein (determined by LAL method)
Purity	> 85%, by SDS-PAGE under reducing conditions and visualized by silver stain
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution in PBS.
Reconstitution	Reconstitute at 200 μg/mL in PBS.
Shipping	The product is shipped at ambient temperature.
Reference	1. Yuzaki, M. (2011) Curr. Opin. Neurobiol. 21:215. 2. Kavety, B. et al. (1994) Brain Res. Mol. Brain Res. 27:152. 3. Wada, C. and H. Ohtani (1991) Brain Res. Mol. Brain Res. 9:71.

GENE INFORMATION

Gene Name	CBLN2 cerebellin 2 precursor [Homo sapiens (human)]
Official Symbol	CBLN2
Synonyms	CBLN2; cerebellin 2 precursor; cerebellin-2
Gene ID	147381
mRNA Refseq	NM_182511

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Protein Refseq	NP_872317
MIM	600433
UniProt ID	Q8IUK8

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