

Recombinant Human CLSTN1 Protein, GST-tagged

Cat. No. CLSTN1-1518H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CLSTN1 full-length ORF (AAH33902.1, 1 a.a. - 971 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene is a member of the calsynenin family, a subset of the cadherin superfamily. The encoded transmembrane protein, also known as alcadein-alpha, is thought to bind to kinesin-1 motors to mediate the axonal anterograde transport of certain types of vesicle. Amyloid precursor protein (APP) is trafficked via these vesicles and so this protein is being investigated to see how it might contribute to the mechanisms underlying Alzheimer's disease. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2014]
Molecular Mass	135.1 kDa
AA Sequence	MLRRPAPALAPAARLLLGLLCGGGVWAARVNHKHPWLEPTYHGIVTENDNTVLLD PPLIALDKDAPLRFAGEICGFKIHGQNVFPDAVVVDKSTGEGVIRSKEKLDCELQKDY SFTIQAYDCGKGPDGTNVKKSHKATVHIQVNDVNEYAPVFKEKSYKATVIEGKQYDS ILRVEAVDADCSPQFSQICSYEIITPDVPFTVDKDGVIKNTKLNKGKEHQYKLTVTAY DCGKKRATEDVLVKISIKPTCTPGWQGWNRIEYEPGTGALAVFPNIHLETCDEPVA SVQATVELETSHIGKGCARDTYSEKSLHRLCGAAAGTAELLPSPSGSLNWTMGLPT DNGHDSQVFEFNGTQAVRIPDGVSVSPKEPFTISVWMRHGPFGRKKETILCSSD

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KTDMMNRHHYSLYVHGCRLIFLFRQDPSEEKKYRPAEFHWKLNQVCDEEWHHYVLN
 VEFPSVTLYADGTSHEPFSVTEDYPLHPSKIETQLVVGACWQEFSGVENDNETEPV
 TVACAGGDLHMTQFFRGNLAGLTLRSGKLADKKVIDCLYTCKEGLDLQVLEDSGRG
 VQIQAHRSQVLVTLEGEDLGELDKAMQHISYLNRSRQFPTPGIRRLKITSTIKCFNEATC
 ISVPPVDGYVMVLQPEEPKISLSGVHHFARAASEFESSEGVFLFPELRIISTITREVEP
 EGDGAEDPTVQESLVSEEIVHDLDTCVTVGEELNHEQESLEVDMARLQQKGIEV
 SSSELGMTFTGVDTMASYEVLHLLRYRNWHARSLDRKFKLICSELNGRYSNEFK
 VEVNVIHTANPMEHANHMAAQPFVHPEHRSFVDLSGHNLANPHFAVVHSTATVV
 IVVCVSSLVFMILGVFRIRAAHRRRTMRDQDTGKENEMDWDDSAITITVNPMEYED
 QHSSEEEEEEEEESEEDGEEDDITSAESESSEEEEEGEQGDQPQNATRQQQLEWD
 DSTLSY

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

CLSTN1 calsynenin 1 [Homo sapiens]

Official Symbol

CLSTN1

Synonyms

CLSTN1; calsynenin 1; calsynenin-1; cadherin related family member 12; CDHR12;
 CSTN1; KIAA0911; alcadein-alpha; alcadein alpha 1; non-classical cadherin

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XB31alpha; cadherin-related family member 12; non-classical cadherin XB31alpha1; alzheimer-related cadherin-like protein; PIK3CD; ALC-ALPHA; XB31alpha; alcalpha1; alcalpha2; FLJ32258;

Gene ID 22883

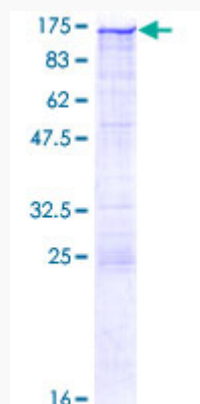
mRNA Refseq NM_001009566

Protein Refseq NP_001009566

MIM 611321

UniProt ID O94985

**Quality Control
Testing:**



12.5% SDS-PAGE Stained with Coomassie Blue.

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