

Product datasheet for TP323651

CLSTN1 (NM_001009566) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human calstentenin 1 (CLSTN1), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC223651 representing NM_001009566 Red=Cloning site Green=Tags(s)

MLRRPAPALAPAARLLL LAGLLCGGGVWAARV NKHKPWLEPTYHGIVTENDNTVLLDPPLIALDKDAPLRF
AESFEVTVTKEGEICGFKIHGQNV PFDVAVVDKSTGEGVIRSKEKLDCELQKDYSFTIQAYDCGKGP DGT
NVKKSHKATVHIQVNDVNEYAPVFKEKSYKATVIEGKQYDSILRVEAVDADCSPQFSQICSYEIITPDVP
FTVDKDG YIKNTEKLN YGKEHQYKLTVTAYDCGKKRATEDVLVKISIKPTCTPGWQGWNRIEYEPGTGA
LAVFPNIHLETCDEPVASVQATVELETSHIGK GCDRDTYSEKSLHRLCGAAAGTAE L LPSPSGSLNWTMG
LPTDNGHDS DQVFEFNGTQAVRIPDG VVSVPKEPFTISVWMRHGPFGRKKETILCSSDKTDMNRHHYSL
YVHGCR LIFLRQDPSEKKYRPAEFHWKLNQVCD EEWHHYVLNVEFP SVTLYVDGTSHEPFSVTEDYPL
HPSKIETQLVVGACWQEFSGVENDNETEPVTVASAGGLHMTQFFRGNLAGLTLRSGKLADKKVIDCLYT
CKEGLDLQVLEDSGRGVQIQAHPSQLVLTLEGEDLGELDKAMQHISYLSNRQFPPTGIRRLKITSTIKCF
NEATCISVPPVDGYVMVLQPEEPKISLSGVH H FARAASEFESSEGVFLFPELRIITITREVEPEGDGAE
DPTVQESLVSEEIVHDLDTCEVTVEGEELNHEQESLEVDMARLQKQKIEVSSSELGMTFTGVDTMASYEE
VLHLLRYRNWHARSLDRKFKLICSELNGRYISNEFKVEVNV IHTANPMEHANHMAAQPQFVHPEHRSFV
DLSGHNLANPHFPAVVPSTATVIVV CVSFLVFM IILGVFRIRAAHRRRTMRDQDTGKENEMDWDD SALT I
TVNPMETYEDQHSSEEEEEEEEESEEDGEEEDDITSAESESSEEEEEGEQ GDPQNATRQQQLEWDDSTLS
Y

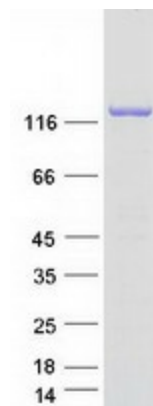
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	109.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_001009566</u>
Locus ID:	22883
UniProt ID:	<u>O94985</u>
RefSeq Size:	5209
Cytogenetics:	1p36.22
RefSeq ORF:	2943
Synonyms:	ALC-ALPHA; alalpha1; alalpha2; CDHR12; CST-1; CSTN1; PIK3CD; XB31alpha
Summary:	This gene is a member of the calsynntenin 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]
Protein Families:	Transmembrane

Product images:

Coomassie blue staining of purified CLSTN1 protein (Cat# TP323651). The protein was produced from HEK293T cells transfected with CLSTN1 cDNA clone (Cat# [RC223651]) using MegaTran 2.0 (Cat# [TT210002]).