

Recombinant Human CLSTN1 protein, T7/His-tagged

Cat. No. CLSTN1-65H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant human CLSTN1 cDNA (29 - 859aa, Isoform_II, derived from BC033902) fused with T7-His-TEV cleavage site Tag (29aa) at N-terminal was expressed in E. coli.

Species Human

Source E.coli

ProteinLength 29-859 a.a.

Form 1.0 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, arginine, DTT and Glycerol.

AA Sequence

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MASMTGGGQQMGRGHHHHHHGNLYFQGGEFARVNHKHPWLEPTYHGIVTENDNTV
LLDPPLIALDKDAPLRFASF EVTVTKEGEICGFKIHGQNVPFDAVVVDKSTGEGVIR
SKEKLDCELQKDYSFTIQAYDCGKGPDTNVKKSHKAT VHIQVNDVNEYAPVFKEK
SYKATVIEGKQYDSILRVEAVDADCSPQFSQICSYEIITPDVPFTVDKDGVIKNTK LN
YGKEHQYKLTVTAYDCGKKRATEDVLVKISIKPTCTPGWQGWNNRIEYEPGTGALA
VFPNIHLETCDEPVASV QATVELETSKIGKCDRDTYSEKSLHRLCGAAAGTAELLP
SPSGSLNWTMGLPTDNGHSDQVFEFNGTQAVRIP DGVVSVSPKEPFTISVWMRH
GPFGRKKETILCSDKTDMMNRHHYSLYVHGCRLIFLFRQDPSEEKKYRPAEFHWK L
NQVCDEEWHHYVLNVEFPSVTLYVDGTSHEPFSVTEDYPLHPSKIETQLVVGACWQ
EFSGVENDNETEPVTVAS AGGDLHMTQFFRGNLAGLTLRSGKLDKVIDCLYTCK
EGLDLQVLEDSGRGVQIQAHPSQLVLTLEGEDLGELD KAMQHISYLNRSRQFPTPGIR
```

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RLKITSTIKCFNEATCISVPPVDGYVMVLQPEEPKISLSGVHHFARAASEFESSE GVF
 LFPELRIISTITREVEPEGDGAEDPTVQESLVSEEIVHDLDTCEVTVEGEELNHEQESL
 EVDMARLQQKGIE VSSSELGMTFTGVDTMASYEEVLHLLRYRNWHARSLDRKFKL
 ICSELNGRYISNEFKVEVNVIHTANPMEHANH MAAQPQFVHPEHRSFVDLSGHNLA
 NPHPFAVVPST

Purity >90% by SDS-PAGE

Applications 1. May be used for in vitro CLSTN1 mediated neuronal axonal transporting regulation study with this protein as either coating matrix protein or soluble factor.2. May be used as CLSTN1 protein-protein interaction assay.3. As enzymatic substrate for various proteases.4. As antigen for specific antibody production.

Storage Keep at -80centigrade for long term storage. Product is stable at 4 centigrade for at least 30 days.

GENE INFORMATION

Gene Name [CLSTN1 calsyntenin 1 \[Homo sapiens \]](#)

Official Symbol [CLSTN1](#)

Synonyms CLSTN1; calsyntenin 1; calsyntenin-1; cadherin related family member 12; CDHR12; CSTN1; KIAA0911; alcadein-alpha; alcadein alpha 1; non-classical cadherin XB31alpha; cadherin-related family member 12; non-classical cadherin XB31alpha1; alzheimer-related c

Gene ID [22883](#)

mRNA Refseq [NM_001009566](#)

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Protein Refseq	NP_001009566
MIM	611321
UniProt ID	O94985
Chromosome Location	1p36.22
Function	calcium ion binding;

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