Recombinant Human CLSTN1 protein, GST-tagged

Cat. No. CLSTN1-5755H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CLSTN1 protein(29-350 aa), fused with N-terminal GST tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	29-350 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na_2HPO_4, 17 mM NaH_2PO_4, 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 100 mM reduced glutathione (GSH).
AASequence	ARVNKHKPWLEPTYHGIVTENDNTVLLDPPLIALDKDAPLRFAGEICGFKIHGQNVPF DAVVVDKSTGEGVIRSKEKLDCELQKDYSFTIQAYDCGKGPDGTNVKKSHKATVHIQ VNDVNEYAPVFKEKSYKATVIEGKQYDSILRVEAVDADCSPQFSQICSYEIITPDVPFT VDKDGYIKNTEKLNYGKEHQYKLTVTAYDCGKKRATEDVLVKISIKPTCTPGWQGW NNRIEYEPGTGALAVFPNIHLETCDEPVASVQATVELETSHIGKGCDRDTYSEKSLH RLCGAAAGTAELLPSPSGSLNWTMGLPTDNGHDSD
Purity	80%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months,

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	reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.
Reconstitution	Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

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 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

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SDS-PAGE



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