

Recombinant Human calsyntenin 2 Protein, His tagged

Cat. No. CLSTN2-516H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CLSTN2 Protein (Ser21-Thr834, Val366Ile) with C His tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Ser21-Thr834 (Val366Ile)
Description	Predicted to enable calcium ion binding activity. Predicted to be involved in positive regulation of synapse assembly and positive regulation of synaptic transmission. Predicted to be located in postsynaptic density. Predicted to be active in cell surface; glutamatergic synapse; and postsynaptic membrane. Predicted to be integral component of postsynaptic density membrane.
Tag	C-His
Molecular Mass	92 kDa
AA Sequence	SGGGGDSRQRLLAAKVNKHKPWIETSYHGVITENNDTVILDPLVALDKDAPVPFA GEICAFKIHGQELPFEAVVLNKTSGEGRRLAKSPIDCELQKEYTFIIQAYDCGAGPHE TAWKKSHKAVVHIQVKDVNEFAPTFKEPAYKAVVTEGKIYDSILQVEAIDEDCSPQYS QICNVEIVTTDVPFAIDRNGNIRNTEKLSYDKQHQQYEILVTAYDCGQKPAAQDTLVQV DVKPVCKPGWQDWTKRIEYQPGSGSMPLFPSIHLETCDGAVSSLQIVTELQTNYIGK GCDRETYSEKSLQKLCGASSGIIDLLPSPSAATNWTAGLLVDSSEMIFKFDGRQGAKI

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PDGIVPKNLTDQFTITMWMKHGSPSPGVRAEKETILCNSDKTEMNRHHYALYVHNCR
 LVFLLRKDFDQADTFRPAEFHWKLDQICDKEWHYYVINVEFPVVTLYMDGATYEPYL
 VTNDWPIHPSHIAMQLTVGACWQGGEVTKPQFAQFFHGSLASLTIRPGKMESQKVI
 SCLQACKEGLDINSLESLGQGIKYHFNPSQSILVMEGDDIGNINRALQKVSYINSRQF
 PTAGVRRLLKVSSKVQCFGEDVCISIPEVDAYVMVLQAIEPRITLRGTDHFWRPAAQF
 ESARGVTLFPDIKIVSTFAKTEAPGDVKTTDPKSEVLEEMLHNLD FCDILVIGGDLDPR
 QECLELNHSELHQRHL DATNSTAGYSIYGVGSM SRYEQVLHHIRYRNWRPASLEAR
 RFRIKCSELNGRYTSNEFNLEVSILHEDQVSDKEHVNHLIVQPPFLQSVHHPESRSSI
 QHSSVVPSIATHHHHHHHHH

Endotoxin	< 1 EU/μg by LAL.
Purity	> 90 % by SDS-PAGE
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Concentration	1.0 mg/mL by BCA
Storage Buffer	Sterile PBS, pH7.4.

GENE INFORMATION

Gene Name	CLSTN2 calsyntenin 2 [Homo sapiens (human)]
Official Symbol	CLSTN2
Synonyms	CS2; CSTN2; CDHR13; ALC-GAMMA; alcagamma
Gene ID	64084

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mRNA Refseq	NM_022131
Protein Refseq	NP_071414
MIM	611323
UniProt ID	Q9H4D0

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