

Recombinant Full Length Human CNN2 Protein, GST-tagged

Cat. No. CNN2-1929HF Lot. No. (See product label)

SPECIFICATION

Product Overview Human CNN2 full-length ORF (1 a.a. - 309 a.a.) recombinant protein with GST-tag at N-terminal.

Species Human

Source In Vitro Cell Free System

Protein Length 309 amino acids

Description The protein encoded by this gene, which can bind actin, calmodulin, troponin C, and tropomyosin, may function in the structural organization of actin filaments. The encoded protein could play a role in smooth muscle contraction and cell adhesion. Several pseudogenes of this gene have been identified, and are present on chromosomes 1, 2, 3, 6, 9, 11, 13, 15, 16, 21 and 22. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jan 2015]

Molecular Mass 60.1 kDa

AA Sequence MSSTQFNKGPSYGLSAEVKNRLLSKYDPQKEAELRTWIEGLTGLSIGPDFQKGLKD
GTILCTLMNKLQPGSVPKINRSMQNWHQLENLSNFIKAMVSYGMNPVDLFEANDLF
ESGNMTQVQVSLALAGKAKTKGLQSGVDIGVKYSEKQERNFDDATMKAGQCVIGL
QMGTNKCASQSGMTAYGTRRHLYDPKNHILPPMDHSTISLQMGTNKCASQVGMTA
PGTRRHIYDTKLGTDKCDNSSMSLQMGYTQGANQSGQVFLGRQIYDPKYCPQGT
VADGAPSGTGDCPDPGEVPEYPPYYQEEAGY

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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	CNN2 calponin 2 [Homo sapiens]
Official Symbol	CNN2
Synonyms	CNN2; calponin 2; calponin-2; neutral calponin; calponin H2, smooth muscle
Gene ID	1265
mRNA Refseq	NM_004368
Protein Refseq	NP_004359
MIM	602373
UniProt ID	Q99439

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