Recombinant Full Length Human CAP1 Protein, C-Flag-tagged

Cat. No. CAP1-622HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human CAP1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	The protein encoded by this gene is related to the S. cerevisiae CAP protein, which is involved in the cyclic AMP pathway. The human protein is able to interact with other molecules of the same protein, as well as with CAP2 and actin. Alternatively spliced transcript variants encoding different isoforms have been identified.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	51.5 kDa
AA Sequence	MADMQNLVERLERAVGRLEAVSHTSDMHRGYADSPSKAGAAPYVQAFDSLLAGPV AEYLKISKEIGGDVQ KHAEMVHTGLKLERALLVTASQCQQPAENKLSDLLAPISEQIK EVITFREKNRGSKLFNHLSAVSESIQA LGWVAMAPKPGPYVKEMNDAAMFYTNRVL KEYKDVDKKHVDWVKAYLSIWTELQAYIKEFHTTGLAWSKT GPVAKELSGLPSGPS AGSGPPPPPPGPPPPPVSTSSGSDESASRSALFAQINQGESITHALKHVSDDMKT H KNPALKAQSGPVRSGPKPFSAPKPQTSPSPKRATKKEPAVLELEGKKWRVENQEN VSNLVIEDTELKQV AYIYKCVNTTLQIKGKINSITVDNCKKLGLVFDDVVGIVEIINSKD VKVQVMGKVPTISINKTDGCHAYL SKNSLDCEIVSAKSSEMNVLIPTEGGDFNEFPVPEQFKTLWNGQKLVTTVTEIAGTR

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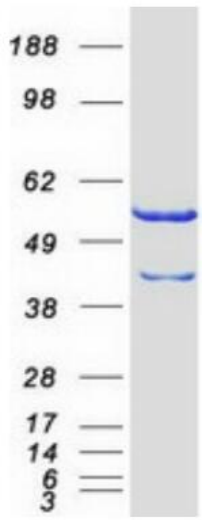
	TRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Full Length	Full L.

GENE INFORMATION

Gene Name	CAP1 cyclase associated actin cytoskeleton regulatory protein 1 [Homo sapiens (human)]
Official Symbol	CAP1
Synonyms	CAP; CAP1-PEN
Gene ID	10487
mRNA Refseq	NM_006367.4

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Protein Refseq	NP_006358.2
MIM	617801
UniProt ID	Q01518



Coomassie blue staining of purified CAP1 protein.

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