

Recombinant Full Length Human CLTCL1 Protein, C-Flag-tagged

Cat. No. CLTCL1-1158HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human CLTCL1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene is a member of the clathrin heavy chain family and encodes a major protein of the polyhedral coat of coated pits and vesicles. Chromosomal aberrations involving this gene are associated with meningioma, DiGeorge syndrome, and velo-cardio-facial syndrome. Multiple transcript variants encoding different isoforms have been found for this gene.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	186.9 kDa
AA Sequence	MAQILPVRFQEHFQLQNLGINPANIGFSTLTMESDKFICIREKVGEQAQVTIIDMSDPM APIRRPISAES AIMNPASKVIALKAGKTLQIFNIEMKSKMKAHTMAEEVIFWKWVSVN TVALVTETAVYHWSMEGDSQPMK MFDRHTSLVGCQVIHYRTDEYQKWLLLVGISA QQNRVVGAMQLYSVDRKVSQPIEGHAAFAEFKMEGNA KPATLFCFAVRNPTGGK LHIIIEVGQPAAGNQPFVKKAVDVFFPPEAQNDFPVAMQIGAKHGVYILITKYG YLHLY DLESGVCICMNRISADTIFVTAPHKPTSGIIGVNKKGQVLSVCVEEDNIVNYATNVLQN PDLGLR LAVRSNLAGAELFVRKFNTLFAQGSYAEAAKVAASAPKGILRTRETVQKF

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 45-1 Ramsey Road, Shirley, NY 11967, USA

QSI PAQSGQASPLLQYFGI LLDQGQLNKLESLELCHLVLQQGRKQ LLEKWLKEDKLE
 CSEELGDLVKTTPMLALSVYLRANVPSKVIQ CFAETGQFQKIVLYAKKVGYPDWI
 FLLRGVMKISPEQGLQFSRMLVQDEEPLANISQIVDIFMENSLIQ QCTSFLLDALKNN
 RPAEGLLQTWLLEMNLVHAPQVADAILGNKMFTHYDRAHIAQLCEKAGLLQQALEH
 Y TDLYDIKRAVVHTHLLNPEWLVNFFGSLSVEDSVECLHAMLSANIRQNLQLCVQVA
 SKYHEQLGTQALVE LFESFKSYKGLFYFLGSIVNFSQDPDVHLKYIQAACKTGQIKE
 VERICRESSCYNPERVKNFLKEAKLTD QLPLIIVCDRFGFVHDLVLYLRNNLQRYIEI
 YVQKVNPSRTPAVIGGLLDVDCSEEVIKHLIMAVRGQF STDELVAEVEKRNRLKLLL
 PWLESQIQEGCEEPATHNALAKIYIDSNNSPECFLRENAYYDSSVVGRYCE KRDPH
 LACVAYERGQCDLELIKVCNENSLFKSEARYLVCRKDPELWAHVLEETNPSRRQLID
 QVVQTALS ETRDPEEISVTVKAFMTADLPNELIELLEKIVLDNSVFSEHRNLQNLILT
 AIKADRTRVMEYISRLDNY DALDIASIAVSSALYEEAFTVFHKFDMNASAIQV LIEHIG
 NLD RAYEFAERCNEPAVWSQLAQAQLQKDL VKEAINSIRGDDPSSYLEVVQSASR
 SNNWEDLVKFLQMARKKGRESYIETELIFALAKTSRVSELEDFI NGPNNAHIQQVGD
 RCYEEGMYEAAKLLYSNVSNFARLASTLVHLGEYQAAVDNSRKASSTRTWKEVCFA
 C MDGQEFRFAQLCGLHIVIHADLEELMCYYQDRGYFEELILLLEAALGLERAHMG
 MFTELAILYSKFKPQ KMLEHLELFWSRVNIPKVLRAAEQAHLWAELVFLYDKYEEYD
 NAVLTMMSHPTAEAWKEGQFKDIITKVAN VELCYRALQFYLDYKPLLINDLLLVLSPRL
 DHTWTVSFFSKAGQLPLVKPYLRSVQSHNNKSVNEALNHL LTEEEDYQGLRASIDA
 YDNFDNISLAQQLEKHQLMEFRCIAAYLYKGNWWAQSVELCKKDHLYKDAMQH A
 AESRDAELAQKLLQWFLEEGKRECFAACLFTCYDLLRPDMVLELAWRHNLVDLAMP
 YFIQVMREYLSKV
 DKLDALESLRKQEEHVTEPAPLVDFDFGHETRTRPLEQKLISEEDLAANDILDYKDDD
 DKV

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.

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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
Protein Pathways	Endocytosis, Huntington's disease, Lysosome
Full Length	Full L.

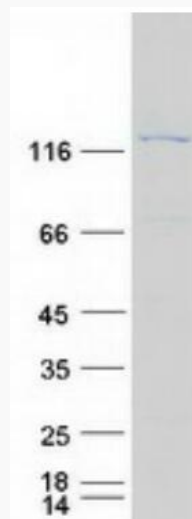
GENE INFORMATION

Gene Name	CLTCL1 clathrin heavy chain like 1 [Homo sapiens (human)]
Official Symbol	CLTCL1
Synonyms	CLTD; CHC22; CLH22; CLTCL
Gene ID	8218
mRNA Refseq	NM_007098.4
Protein Refseq	NP_009029.3
MIM	601273
UniProt ID	P53675

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Coomassie blue staining of purified CLTCL1 protein.

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