

Recombinant Human RNF213 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. RNF213-5363H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RNF213 MS Standard C13 and N15-labeled recombinant protein (NP_066005) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a protein containing a C3HC4-type RING finger domain, which is a specialized type of Zn-finger that binds two atoms of zinc and is thought to be involved in mediating protein-protein interactions. The protein also contains an AAA domain, which is associated with ATPase activity. This gene is a susceptibility gene for Moyamoya disease, a vascular disorder of intracranial arteries. This gene is also a translocation partner in anaplastic large cell lymphoma and inflammatory myofibroblastic tumor cases, where a t(2;17)(p23;q25) translocation has been identified with the anaplastic lymphoma kinase (ALK) gene on chromosome 2, and a t(8;17)(q24;q25) translocation has been identified with the MYC gene on chromosome 8. Alternative splicing results in multiple transcript variants.
Molecular Mass	118.4 kDa
AA Sequence	MECPSCQHVSKEETPKFCSQCGERLPPAAPIADSENNNSTMASASEGEMECCGQEL KEEGGPCLFPGSDSWQENPEEPCSKASWTVQESKKKKRKKKKKGNKSASSELASL PLSPASPCHLTLLSNPWPQDTALPHSQAQQSGPTGQPSQPPGTATTPLEGDGLSA

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PTEVGDSPLQAQALGEAGVATGSEAQSSPQFQDHTEGEDQDASIPSGGRGLSQEG
 TGPPTSAGEGHSRTEDAAQELLLPESKGGSSSEPGTELQTTEQQAGASASTAVDAVA
 EPANAVKGAGKEMKEKTQRMKQPPATTPPFKTHCQEAETKTKDETA AAEKVGN
 EQGEPEDLKKPEGKNRSAAAVKNEKEQKNQEADVQEVKASTLSPGGGVTVFFHAI
 SLHFPFNPDLHKVFIRGGEEFGESKWDSNICELHYTRDLGHDRVLVEGIVCISKHLD
 KYIPYKYVIYNGESFEYEFYKHQKKGEYVNRCLFIKSSLLGSGDWHQYYDIVYMKP
 HGRLQKVMNHITDGPRKDLVKGKQIAAALMLDSTFSILQTDWTINLNSFFTQFEQFCF
 VLQQPMIYEGQAQLWTDLQYREKEVKRYLWQHLLKHHVPLPDGKSTDFLPVDCPV
 RSKLKTGLIVLFVVEKIELLLGSLDWLCHLLTSDASSPDEFHRDLSHILGIPQSWRLY
 LVNLCQRCMDTRTYTWLGALPVLHCCMELAPRHKDAWRQPEDTWAALEGLSFSPF
 REQMLDTSSLLQFMREKQHLLSIDEPLFRSWFSLLPLSHLVMYMFIEHLGRFPAHI
 LDCLSGIYYRLPGLEQVLNTQDVQDVQNVQNIEMLLRLLDTYRDKIPEEALSPSYLT
 VCLKLHEAICSSTKLLKFYELPALSAEIVCRMIRLLSLVDSAGQRDETGNNSVQTVFQ
 GTLAATKRWLREVFTKNMLTSSGASFTYVKEIEVWRRLVEIQFPAEHGWKESLLGD
 MEWRLTKEEPLSQITAYCNSCWDTKGLEDSVAKTFEKCIEAVSSACQVNNLSSWET
 DSGSQLCSAMTQLRAMKHPLGLSSSANSEIGKWAPSSLAKGNGAEITRTRPLEQKLI
 SEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

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Gene Name	RNF213 ring finger protein 213 [Homo sapiens (human)]
Official Symbol	RNF213
Synonyms	RNF213; ring finger protein 213; C17orf27, chromosome 17 open reading frame 27, KIAA1618, moyamoya disease 2, Moyamoya disease 2, MYMY2; RING finger protein 213; KIAA1554; NET57; mysterin; ALK lymphoma oligomerization partner on chromosome 17; ALO17; MYMY2; MYSTR; C17orf27; KIAA1618; MGC9929; FLJ13051; MGC46622; DKFZp762N1115;
Gene ID	57674
mRNA Refseq	NM_020954
Protein Refseq	NP_066005
MIM	613768
UniProt ID	Q63HN8
SDS-PAGE	