

Recombinant Human ARHGAP45 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ARHGAP45-2547H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HMHA1 MS Standard C13 and N15-labeled recombinant protein (NP_036424) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Contains a GTPase activator for the Rho-type GTPases (RhoGAP) domain that would be able to negatively regulate the actin cytoskeleton as well as cell spreading. However, also contains N-terminally a BAR-domain which is able to play an autoinhibitory effect on this RhoGAP activity.
Molecular Mass	124.6 kDa
AA Sequence	MFSRKKRELMKTPSISKKNRAGSPSPQPSGELPRKDGADAVFPGPSLEPPAGSSGV KATGTLKRPTSLSRHASAAGFPLSGAASWTLGRSHRSPLTAASPGELPTEGAGPDV VEDISHLLADVAFARFAEGLEKLKECVLHDDLLEARRPRAHECLGEALRVMHQIISKYPL LNTVETLTAAGTLIAKVKAFFHYESNNDLEKQEFKALETIAVAFSSTVSEFLMGEVDS STLLAVPPGDSSQSMEISLYGPGSEGTPPSLDDCDAGCLPAEEVDVLLQRCEGGVD AALLYAKNMAKYMKDLISYLEKRTTLEMEFAKGLQKIAHNCRQSVMQEPHMPLLSIY SLALEQDLEFGHSMVQAVGTLQTQTFMQPLTLRRLEHEKRRKEIKEAWHRAQRKLQ EAESNLRKAKQGYVQRCEDHDKARFLVAKAEQQAGSAPGAGGTATKTLDKRRRL EEEAKNKAEEAMATYRTCVADAKTQKQLEDTKVLTALRQIQEVIRQSDQTIKSATISY

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YQMMHMQTAPLPVHFQMLCESSKLYDPGQQYASHVRQLQRDQEPDVHYDFEPHV
 SANAWSPVMRARKSSFNVSDFVARPEAAGSPPEEGGCTEGTPAKDHRAGRGHQVH
 KSWPLSISDSGLDPGPGAGDFKKFERTSSSGTMSSTEELVDPDGGAGASAFEQ
 ADLNGMTPELPVAVPSGPFRHEGLSKAARTHRLRKLRTPAKCRECNSYVYFQGAEC
 EECCLACHKKCLETLAIQCGHKKLQGRLQLFGQDFSHAARSAPDGVPFIVKKCVCEI
 ERRALRTKGIYRVNGVKTRVEKLCQAFENGKELVELSQASPHDISNVLKLYLRQLPE
 PLISFRLYHELVGLAKDSLKAEAEAKAASRGRQDGSESEAVAVALAGRLRELLRDLP
 PENRASLQYLLRHLRRIVEVEQDNKMTPGNLGIVFGPTLLRPRPTEATVSLSSLVDYP
 HQARVIETLIVHYGLVFEEPEETPGGQDESSNQRAEVVVQVPYLEAGEAVVYPLQE
 AAADGCRESRVVSNDSDSLSEASELLSSSEASALGHLSFLEQQQSEASLEVASGS
 HSGSEEQLEATAREDGDGDEDGPAQQLSGFNTNQSNVLQAPLPPMRLRGGRMT
 LGSCRERQPEFVSGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

Gene Name ARHGAP45 Rho GTPase activating protein 45 [Homo sapiens (human)]

Official Symbol ARHGAP45

Synonyms ARHGAP45; Rho GTPase activating protein 45; HA-1; HMHA1; HLA-HA1; rho

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GTPase-activating protein 45; histocompatibility (minor) HA-1; minor histocompatibility antigen HA-1; minor histocompatibility protein HA-1

Gene ID [23526](#)

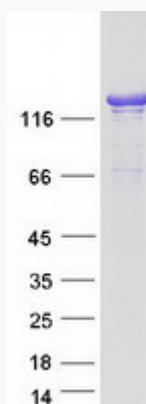
mRNA Refseq [NM_012292](#)

Protein Refseq [NP_036424](#)

MIM [601155](#)

UniProt ID [Q92619](#)

SDS-PAGE



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