

Product datasheet for **TP309595L**

HA1 (ARHGAP45) (NM_012292) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human histocompatibility (minor) HA-1 (HMHA1), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC209595 protein sequence Red =Cloning site Green =Tags(s)

MFSRKKRELMKTPSISKKNRAGSPSPQPSGELPRKDGADAVFPGPSLEPPAGSSGVKATGTLKRPTSLSR
HASAAGFPLSGAASWTLGRSHRSPPLTAASPGELPTEGAGPDVVEDISHLLADVARFAEGLEKLKECVLHD
DLLEARRPRAHECLGEALRVMHQIISKYPLLNTVETLTAAGTLIAKVKAHFHYESNNDLEKQEFKALETI
AVAFSSTVSEFLMGEVDSSTLLAVPPGDSSQSMESLYGPGSEGTPPSLDDCDAGCLPAEEVDVLLQRCEG
GVDAALLYAKNMAKYMKDLISYLEKRTTLEMEFAKGLQKIAHNCRQSVMQEPHMPLLSIYSLALEQDLEF
GHSMVQAVGTLQTQTFMQPLTLRRLLEHEKRRKEIKEAWHRAQRKLQEAESNLRKAKQGYVQRCEHDHKAR
FLVAKAEEEEQAGSAPGAGGTATKTLDKRRRLEEEAKNKAEEAMATYRTCVAADAKTQKQELEDTKVTALRQ
IQEVIRQSDQTIKSATISYYQMMHMQTAPLPVHFQMLCESSKLYDPGQQYASHVRQLQRDQEPDVHYDFE
PHVSANAWSPVMRARKSSFNVSVDVARPEAAGSPPEEGGCTEGTPAKDHRAGRGHQVHKSWPLSISDSDSG
LDPGPGAGDFKKFERTSSSGTMSSTEELVDPDGGAGASAFEQADLNGMTPPELVAVPSGPFREHGLSKAA
RTHRLRKLRTPAKCRECNSYVYFQGAEECECLACHKKCLETLAIQCGHKKLQGRQLQFGQDFSHAARSA
PDGVPFIVKKCVCEIERRALRTKGIYRVNGVKTRVEKLCQAFENGKELVELSQASPHDISNVKLYLRQL
PEPLISFRLYHELVLAKDSLKAEAEAKAASRGRQDGSESEAVAVALAGRLRELLRDLPPENRASLQYLL
RHLRRIVEVEQDNKMTPGNLIVFGPTLLRPRPTEATVSLSSLDYPHQARVIETLIVHYGLVFEEPEE
TPGGQDESSNQRAEVVVQVPYLEAGEAVVYPLQEAADGCRESRVVSNDSDSDLEEASELLSSEASALG
HLSFLEQQQSEASLEVASGSHSGSEEQLEATAREDGDGDEGPAQQLSGFNTNQSNVQLQAPLPPMRLRG
GRMTLGSCRERQPEFV

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

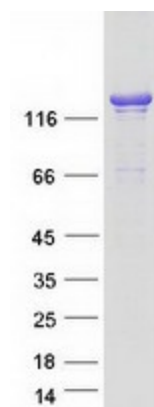
Tag:	C-Myc/DDK
Predicted MW:	124.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_036424
Locus ID:	23526
UniProt ID:	Q92619
RefSeq Size:	5488
Cytogenetics:	19p13.3
RefSeq ORF:	3408
Synonyms:	HA-1; HLA-HA1; HMHA1
Summary:	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. [UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified ARHGAP45 protein (Cat# [TP309595]). The protein was produced from HEK293T cells transfected with ARHGAP45 cDNA clone (Cat# [RC209595]) using MegaTran 2.0 (Cat# [TT210002]).