

Product datasheet for PH309595

HA1 (ARHGAP45) (NM_012292) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	HMHA1 MS Standard C13 and N15-labeled recombinant protein (NP_036424)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209595
Predicted MW:	124.6 kDa
Protein Sequence:	>RC209595 protein sequence Red=Cloning site Green=Tags(s)

MFSRKKRELMKTPSISKKNRAGSPSPQPSGELPRKDGADAVFPGPSLEPPAGSSGVKATGTLKRPTLSR
HASAAGFPLSGAASWTLGRSHRSPSTAASPGELPTEGAGPDVVEDISHLADVARFAEGLEKLKECVLHD
DLLEARRPRAHECLGEALRVMHQIISKYPLLNVTETLTAAGTLIAKVAFHYESNNDLEKQEFKALETI
AVAFSSTVSEFLMGEVDSSTLLAVPPGDSSQSMESLYGPGSEGTPPSLDDCDAGCLPAEEVDVLLQRCEG
GVDAALLYAKNMAKYMKDLISYLEKRTTLEMEFAKGLQKIAHNCRQSVMQEPHPLL SIYSLALEQDLEF
GHSMVQAVGTLQTQTFMQPLTLRREHEKRRKEIKEAWHRAQRKLQEAESNLKAKQGYVQRCEHDHDKAR
FLVAKAEQAGSAPGAGGTATKTLDKRRRLEEEAKNKAEEAMATYRTCVADAKTQKQELEDTKVTRALRQ
IQEVIRQSDQTIKSATISYYQMMHMQTAPLPVHFQMLCESSKL YDPGQQYASHVRQLQRDQEPDVHYDFE
PHVSANAWSPVMRARKSSFNVSDVARPEAAGSPPEEGGCTEGTPAKDHRAGRGHQVHKSWPLSISDSDSG
LDPGPGAGDFKFFERTSSSGTMSSTEELVDPDGGAGASAFEQADLNGMTPELPVAVPSGPFRRHEGLSKAA
RTHRLRKLRTPAKCRECNSYVYFQGAEECECLACHKKCLETLAIQCCHKLQGRQLQFGQDFSHAARSA
PDGVVPIVKKCVCEIERRALRTKGIYRVNGVKTREKLCQAFENGKELVELSQASPHDISNVLKL YLRQL
PEPLISFRLYHELVLAKDSLKAEAEAKAASRGRQDGESEAVAVALAGRLRELLRDLPPENRASLQYLL
RHLRRIVEVEQDNKMPGNLGI VFGPTLLRPRPTEATVSLSSLVDYPHQARVIETLIVHYGLVFEEPEE
TPGGQDESSNQRAEVVQVPYLEAGEAVVYPLQEAADGCRESRVVSNDSDLEAESELLSSSEASALG
HLSFLEQQQSEASLEVASGSHSGSEEQLEATAREDDGDEDEGPAQQLSGFNTNQSNVLAQPLPPMRLRG
GRMTLGSCRERQPEFV

SGP TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

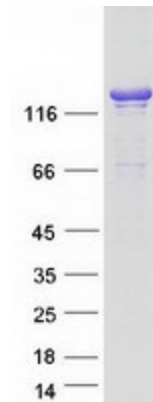
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3



[View online »](#)

Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_036424
RefSeq Size:	5488
RefSeq ORF:	3408
Synonyms:	HA-1; HLA-HA1; HMHA1
Locus ID:	23526
UniProt ID:	Q92619
Cytogenetics:	19p13.3
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]).