

Recombinant Haemophilus influenzae hap Protein

Cat. No. hap-44H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Haemophilus influenzae hap Protein was expressed in E. coli.
Species	Haemophilus influenzae
Source	E.coli
Description	Adhesion and penetration autotransporter Hap
Form	Liquid. In 100 mM Tris-HCl containing 100 mM NaH ₂ PO ₄ and 4 M Urea (pH8.0).
Molecular Mass	~154 kDa
AA Sequence	MGSSHHHHHHSSGLVPRGSHMGHTYFGIDYQYYRDAENKGKFAVGAKDIEVYNK KGELVGKSMTKAPMIDFASVARSGYAALVGDQYIVSVAHNGGYTNADFGAEGQNP DQHRFTYQIVKRNNYKPDQKHHYNGDYHMPRLHKFVTESSPFDMTGSMKGQTYAD KEKYPMRVRIGSGDQYWRNEQDKGTQVAEAYGYLIAGNTHMQTGAGNGDVSLSG DVRKGNDYGPMPTAGSFGDSGSPMFIYDATEKKWLINGVLRTGNPSLGRENTFQLV RKNYFDEIFSANLKTTFDFRTPKNQQNQHYTFHSGNDGSGTITSGAGKIYKVKLANY NLSMKGTEPVYTNGGVNNYSPALSHGENLYFIDYGKGVLTFSNNIDQGAGGLYFEG DFIVSPTHNETWKGAGISISDESTVIWKVNGVENDRLSKIGKGTLHIQAKGNLGSISV GDGKVILEQQEDDQHKKQAFSEIGLVSGRGTVQLNDDKQFDTDKFYFGFRGRLDL NGHSLTFKRIQNTDEGAMIVNHNTTEVANVTITGNESIVLPNGNNINKLNYSKEIAYNG WFGETDENKHNGRLNLIYKPTTEDRTLLSGGTNLKGDITQEGGTLVFSGRPTPHAY NHLNRPNELGRPQGEVVIDDDWINRTFKAENFQIKGGSVVSRNVSSIEGNWTISNN ANATFGVVPNQNTICTRSDWTGLTTCKTENLTDKVINSIPTTQINGSINLTDNATA

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

NVKG LAKLNG NVTLTNHSQFTLSNNATQIGNIRLS DNSTATVDNANLNGNVHLTNSA
 QFYLKNSHLSHQIQGDKGTTVTLENATWTMPSDTTLQNLTLNNSTVTLNSAYSASPN
 NTPRRRRRSLETETTTPTSAEHRFNTLTVNGKLSGGQGTFTSSLFGYKSDKLKLSND
 AEGDYILSVRNTGKEPETLEQLTLVESKDNQPLSDKLTFTLENDHVDAGALRYVLVK
 NNGEFLHNPIKEQELHNDLVRAEQAEQTLEAKQVEPTAETQTSKAKVRLRRVLP
 DTLPAQSLLNALEAKQAEPNAKTQKSKAKTKKARSKRALRAVFSDPPPDQSQLDVL
 KAALEVINAQPQVGKERQAQEKQKGKQKDLISRYSNSALSATSATVNSMLSVQDELD
 RLFVDQAQSAVWTNIAQDKRRYDSDAFRAYQQKTNLRLQIGVQKALDNGRIGAVFSH
 SRSDNTFDEQVKNHATLTMMSGFAQYQWGD LQFGVNVGAGISASKMAEEQSRKIH
 RKAINYGVNASYQFRLGQLGIQPYLGVNRYFIERENYQSEDVKVQTPSLAFNRYNAG
 IRVDYTFPTDNISVKPYFFVNYVDVSNANVQTTVNSTMLQQSFGRYWQKEVGLKA
 EILHFQLSAFISKSQGSQGLGKQQNVGVKLG YRW

Purity >90%

Storage Short Term Storage at 4 centigrade, Long Term, please prepare aliquots with 20% glycerol and store at -20 to -80 centigrade. Avoid freeze/thaw cycles.

Concentration 0.67 mg/ml

GENE INFORMATION

Gene Name [hap adhesion and penetration autotransporter Hap \[Haemophilus influenzae \]](#)

Official Symbol [hap](#)

Gene ID [72526299](#)

Protein Refseq [WP_044332300](#)

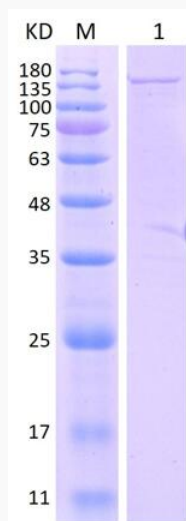
UniProt ID [P45387](#)

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SDS-PAGE



12% SDS-PAGE analysis profiles of purified NTHI0354-26-1392 (CBB stained).

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