

Product datasheet for **RG216803**

HUNK (NM_014586) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HUNK (NM_014586) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	HUNK
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG216803 representing NM_014586
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCGGCGCGCGGGGACGGGCTCCTGGGGAGCCGGCGCGCCTGGGGCGCGCGCGCGCGGAGG
 ACGCGGCCAGGCCGCGCGGCCCTGCGAGGGAAGTTTCTGCCTGCCTGGGTGAGCGCGTGCCTCCGCA
 GCGGCTCCGCGACTTCCAGCACCAAGCGCGTGGCACTACCTCATCGGCAGCAGGAAGCTGGGCGAG
 GGCTCCTTTGCCAAGGTGCGCGAGGGGCTGCACGTGCTGACCGGGGAGAAGGTGGCCATAAAAGTCATTG
 ATAAGAAGAGAGCCAAAAGGACACCTATGTCACCAAAAACCTGCGGCGAGAGGGTCCAGCAGAT
 GATCCGCCACCCCAATCACTCAGCTCCTTGATATTTAGAAAACGAAAACAGTACTACCTGGTCATG
 GAGCTGTGCCCTGGGGCAACCTGATGCACAAGATCTATGAGAAGAAGCGGCTGGAGGAGTCCGAAGCCC
 GCAGATACATCCGACAGCTCATCTGCGGTAGAGCACCTGCACCGGGCCGGGTGGTCCACAGAGACTT
 GAAGATAGAGAATTTGCTACTAGATGAAGACAATAATATCAAGCTGATTGACTTTGGTTTGAGCAACTGC
 GCAGGGATCCTGGTTACTCGGATCCGTTACAGCACACAGTGTGGCAGCCCTGCCTACGCTGCACCTGAAC
 TGCTCGCCAGGAAGAAATACGGCCCCAAAATCGATGTCTGGTCCATAGGTGTGAACATGTATGCCATGTT
 GACCGGGACGCTGCCTTTACGGTGGAGCCTTTCAGCCTGAGGGCTTTGTACCAGAAGATGGTAGACAAA
 GAAATGAACCCCTCCCACTCAGCTCTCCACAGGTGCCATCAGTTTCTGCGCTCTCTCTGGAACCGG
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 AGTGCCCTGTAATGTACCTATCCCAACAGGATTTCTCTGGAAGATCTGAGCCCGAGCGTGTGTGCAC
 ATGACCGAGAAGCTGGTTACAAGAACAGCGACGTGATCAACACTGTGCTCTCAACCGCGCCTGCCACA
 TCCTGGCCATCTACTTCTTAAACAAGAACTGGAGCGCTATTTGTCAGGGAATCTGACATCCAGGA
 CAGCCTCTGCTACAAGACCCGGCTCTACCAGATAGAAAAGTACAGGGCCCCAAGGAGTCTATGAGGCC
 TCTCTGGACACCTGGACACGAGATCTTGAATCCATGCCGTGCAGGATAAAAAGCCAAAAGAACAAGAAA
 AAAGAGGGGATTTTCTTCATCGACCATTCTCCAAGAAGTTGGACAAGAACCTGCCCTCGCACAAACAGCC
 CTCAGGCTCGCTTATGACACAGATTGAGAACACCAAGCCCTCCTGAAGGACCGAAGGCCTCCAAGTCC
 AGCTTCCCGACAAAGATTCTTTGGCTGCCGCAATATTTCCGCAAACTCAGATTCCAATTGTGTGG
 CTTCTTCTTCCATGGAGTTCATCCCGTGCCACCGCCAGGACCCCGAGGATTGTGAAGAAACCGGAGCC
 CCATCAGCCAGGGCCCGAAGCACTGGCATCCCCACAAGGAAGACCCCTGATGCTGGACATGGTGCCG
 TCCTTCGAGTCTGTGGATCGCGACGACCAGTAGAAGTGTGTCTCCCTCTCATCTACAGGATTCTGA
 ACTCCCGGTGAGCTTGGCTCGCAGAAATTCAGCGAGAGGACGCTGTCCCGGGTCTGCCATCCGGAAG
 CATGTGCGCTCTCCATACTCCTTTGCATCCAACCTGGTCTCTTTTGTACGAAGATAAGAACAGCCCC
 CAAAAGAGGAGGGCCTGTGTTGCCACCTCCGGTTCAGCAATGGCCCATGCAGCCTCTGGGGAGCC
 CCAATTGTGTGAAAAGCCGAGGCCGGTTCCTATGATGGGCATCGGACAGATGTTAAGGAAGCGCCATCA
 GAGTCTGCAGCCATCTGCAGATAGGCCCTGGAGGCCAGCTGCCCCACTGCAGCCCCTAGCCCCTGTG
 AACCTTGCTTTGACATGGCCGATGGGGTCAAGACCCAGTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG216803 representing NM_014586
 Red=Cloning site Green=Tags(s)

MPAAAGDGLLGEPAAPGGGGGAEDAARPAACEGSFLPAWVSGVPRERLRDFQHHKRVGNLYIGSRKLGEGSF
 AKVREGLHVLGTGEKVAIKVIDKKRAKKDITYTKNLRREGQIQMIRHPNITQLLDILETENSYYLVM
 ELCPPGNNMHHKIYEKKRLEESEARRYIRQLISAVEHLHRAGVVHRDLKIENLLDEDNNIKLIDFGLSNC
 AGILGYSDPFSTQCGSPAYAAPELLARKKYGPKIDVWSIGVNMAYMLTGLPFTVEPFLRALYQKMVVDK
 EMNPLPTQLSTGAISFLRSLLEPDPVKRPNIQQALANRWLNENYTGKVP CNVTYPNRSLEDLSPSVVLH
 MTEKLGKNSDVINTVLSNRACHILAIYFLLNKKLERYLSGKSDIQDSLKYKTRLYQIEKYRAPKESYEA
 SLDTWTRDLEFHAVQDKKPKQEKEKRGDFLHRPFSKKLDKNLPSHKQPSGSLMTQIQNTKALLKDRKASKS
 SFPDKDSFGCRNIFRKTSDSNCAVSSMEFIPVPPRTPRIVKKPEPHQPGPGSTGIPHKEDPLMDMVR
 SFESVDRDDHVEVLSPSHHYRILNSPVS LARRNSSERTLSPGLPSGMSPLHTPLHPTLVSAFHEDKNSP
 PKEEGLCCPPVPVSNQPMQPLGSPNCVKSRRGFPMMGIGQMLRKRHQSLQPSADRPLEASLPLQLAPV
 NLAAFDMADGVKTQC

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_014586

ORF Size: 2142 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_014586.2](#)

RefSeq Size: 7385 bp

RefSeq ORF: 2145 bp

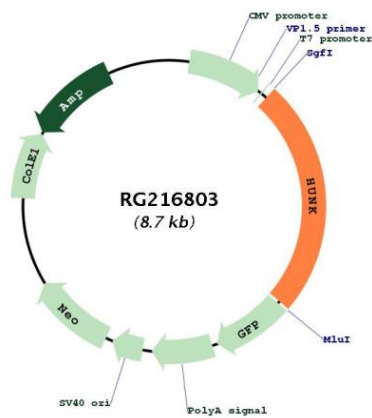
Locus ID: 30811

UniProt ID: [P57058](#)

Cytogenetics: 21q22.11

Protein Families: Druggable Genome, Protein Kinase

Product images:



Circular map for RG216803