

Product datasheet for SC316045

HYKK (NM_001083612) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HYKK (NM_001083612) Human Untagged Clone
Tag:	Tag Free
Symbol:	HYKK
Synonyms:	AGPHD1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC316045 representing NM_001083612. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTT AGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC **CGATCGCC**
 ATGTCAAGTGAACTATCAGCAGTCAGAGGCTCTTAGCAAACCACTTTCACTGAGGAACAAGCCTCT
 GCGTTAGTGAGTCAGTGTGTTGGTTGAAAGTTTCCAAGGTCGGCCACTTCCTAGCTATGATGACCAA
 AACTTTTCATGTCTACGTTTCAAAAACCAAGATGGCCCACTGAATATGTCCTCAAATAAGCAACACC
 AAGGCTAGCAAAAATCCAGACCTGATTGAAGTGCAGAATCACATCATCATGTTTCTGAAAGCCGCTGGA
 TTTCCAACAGCCTCTGTGTGTCACTAAAGGAGACAACACAGCTTCTCTCGTGTCTGTAGATAGTGGC
 TCTGAAATCAAAAGCTACTTGGTGAGGCTGCTGACTTACCTCCCAGGAAGACCCATCGCTGAGCTTCCC
 GTCAGCCCCCAGCTATTGTATGAAATTGGAAAAGTCTGCTGCAAAATTGGATAAGACACTGCAGAGATTC
 CATCACCCAAAGTTAAGTAGTCTTCATCGGGAGAACTTCATCTGGAATCTGAAAAATGTTCTCTCTG
 GAGAAATACCTGTATGCCCTGGGCCAGAAATCGAAACCGAGAGATTGTTGAGCATGTCATTTCATCTGTTT
 AAGGAGGAAGTAATGACCAAAATTAAGTCATTTTCGAGAA **TGA**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001083612
Insert Size:	663 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).


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OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<ol style="list-style-type: none"> 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_001083612.1
RefSeq Size:	866 bp
RefSeq ORF:	663 bp
Locus ID:	123688
UniProt ID:	A2RU49
Cytogenetics:	15q25.1
MW:	24.9 kDa
Gene Summary:	<p>Catalyzes the GTP-dependent phosphorylation of 5-hydroxy-L-lysine.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) contains a distinct 3' coding exon and 3' UTR, compared to variant 1. The resulting protein (isoform 2) has a shorter C-terminus compared to isoform 1.</p>