

Product datasheet for SC316665

HOATZ (NM_001100388) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HOATZ (NM_001100388) Human Untagged Clone
Tag:	Tag Free
Symbol:	HOATZ
Synonyms:	C11orf88
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC316665 representing NM_001100388. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGGAACGGGACCCAGCGAAGAACCTAGCGGCCGAAAAGAGTCCCAGGAAATGTCCCCCGGGATTA
 CTGGTATTTGCTGGCTCCTCGGAACAAGATGCCAATTGGCTAAGCAGTTCTGGATCTCGGCGTCGATG
 TATCCCCCTAGCGAATCTCAGCTGGTCTGCGCAGAGACAGCAGTCAGCGTCTGCCGGTGGCGGGCCC
 AGGAGGAGCAGAGGGTCTGAAAACAGCCACTCCTCGCAGTCTTTTACCTTGCGAGTAACAAAAATAGA
 GACATCTTTGCCGAAGCCCTAAAGATACAGGAATCTGAGGAGAAAGTAAAGTATCTCCAAAAGGCTAAA
 ACAAGAGAAGAGATTCTCAACTCTTAAGAAAACAAAGAGAAGAAAGGATCTCGAAAGAACTGATTTC
 CTTCCGTATAAACCAAAAGCCAAAGAACACAAAGCAAAGAAAGTGGTATCAGAGTCAGATAAAGAGGAC
 CAAGAAGAAGTCAAACTTTGGACTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001100388
Insert Size:	510 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:	<u>NM_001100388.1</u>
RefSeq Size:	719 bp
RefSeq ORF:	510 bp
Locus ID:	399949
UniProt ID:	<u>Q6PI97</u>
Cytogenetics:	11q23.1
MW:	19.3 kDa
Gene Summary:	<p>Required for motile ciliogenesis and flagellar genesis by mediating the maturation of the glycolytic enzyme ENO4.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks an in-frame exon in the central region, compared to variant 1. The resulting isoform (2) lacks an internal segment, compared to isoform 1.</p>