

Product datasheet for **SC318583**

ULK4 (NM_017886) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ULK4 (NM_017886) Human Untagged Clone
Tag:	Tag Free
Symbol:	ULK4
Synonyms:	FAM7C1; REC01035
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC318583 representing NM_017886. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
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 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_017886
- Insert Size:** 3828 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).
- 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_017886.3</u>
RefSeq Size:	4697 bp
RefSeq ORF:	3828 bp
Locus ID:	54986
UniProt ID:	<u>Q96C45</u>
Cytogenetics:	3p22.1
Domains:	pkinase, TyrKc, S_TKc
Protein Families:	Druggable Genome, Protein Kinase
MW:	142.4 kDa
Gene Summary:	<p>This gene encodes a member of the unc-51-like serine/threonine kinase (STK) family. Members of this protein family play a role in neuronal growth and endocytosis. The encoded protein is likely involved in neurite branching, neurite elongation and neuronal migration. Genome-wide association studies (GWAS) indicate an association of variations in this gene with blood pressure and hypertension. Sequence variations in this gene may also be associated with psychiatric disorders, including schizophrenia and bipolar disorder. Pseudogenes associated with this gene have been identified and are located on chromosome 15. [provided by RefSeq, Jul 2016]</p>