

Product datasheet for **SC317695**

keratin 40 (KRT40) (NM_182497) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	keratin 40 (KRT40) (NM_182497) Human Untagged Clone
Tag:	Tag Free
Symbol:	keratin 40
Synonyms:	CK-40; K40; KA36
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317695 representing NM_182497. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACTTCTGACTGCTCCTCCACACTGCTCTCCTGAGTCTGTGGCACGGCTCCGGTTGTGCACCT
GCCTCAAGCTGCTCCGTGAAACAGCTTGTCTCCCGGTACCTGTGCTACATCCCGATGTCAGACTCCA
AGCTTCTATCCAGGTCTCGCGGGTACTGGTTGCCTCTGCCATGCTACTTTACTGGGAGTTGTAAT
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ATGCAGTTCCTGAATGACAGACTCGCCAGCTATCTGGAGAAGGTGCGCAGCTGGAGGAGACCAACGCA
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AACCAGGAGTACCAGGTCTCCTGGACGTGAAGGCCCGGCTGGAGGGTGAATCAACACGTACTGGGGC
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TGTGAGCCATGCTCAGCCTATGTCATCTGCACTGTTGAAAACCTGCTGCTGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_182497
Insert Size:	1296 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_182497.3</u>
RefSeq Size:	1938 bp
RefSeq ORF:	1296 bp
Locus ID:	125115
UniProt ID:	<u>Q6A162</u>
Cytogenetics:	17q21.2
MW:	48.1 kDa
Gene Summary:	This gene encodes a member of the type I (acidic) keratin family, which belongs to the superfamily of intermediate filament (IF) proteins. Keratins are heteropolymeric structural proteins which form the intermediate filament. These filaments, along with actin microfilaments and microtubules, compose the cytoskeleton of epithelial cells. The type I keratin genes are clustered in a region of chromosome 17q12-q21. [provided by RefSeq, Jul 2009]