

Product datasheet for **SC314153**

KLHL24 (NM_017644) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	KLHL24
Synonyms:	DREI; EBSSH; KRIP6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>SC314153 representing NM_017644.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAAATTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGTACTAATATTGGGACGCAGACTAAACAGAGAGGATCTTGGGGTGGTGGTATTCACAGCACTAAG
CGAAAAGTTTTGAAATGGACCCAAATCTCTGACAGGTCATGAGTTTTTGTCTCTTCAGGATCA
TCCCATGCCGAAACATACTCCAGATATTTAATGAATTCGTGATAGCCGCTTATTCACAGATGTTATC
ATTTGTGTGGAAGGAAAAGAATTTCTTGGCATAGAGCTGTGCTCTCAGCCTGTAGCAGCTACTTCAGA
GCTATGTTTTGTAATGACCACAGGGAAGCCGAGAAATGTTGGTTGAGATCAATGGTATTTAGCTGAA
GCTATGGAATGTTTTTGCAGTATGTTTACTGGAAGGTGAAGATCACTACAGAGAATGTACAGTAT
CTCTTTGAGACATCAAGCCTCTTTCAGATTAGTGTCTCCGTGATGCATGTCCAAGTTCTTGGAGGAG
CAACTTGATCCTTGAATTGCTTAGGAATCCAGCGCTTGTGCTATCCCATCTCACTCAAAACACTCTTC
ACAAAATGCAAAAATTTGCGTTACAGACTTTGAGGATGTATCCAGCACGAAGAATTTCTTGAGCTT
GACAAAGATGAACCTATTGATTATTTGTAGTGATGAACCTGTTATTGGTAAAGAGGAGATGGTTTTT
GAAGCCGTCATGCGTTGGGTCTATCGTGCCGTTGATCTGAGAAGACCACTGTTACACGAGCTCCTGACA
CATGTGAGACTCCCTCTGTTGCATCCCACTACTTTGTTCAAACAGTTGAAGTGGAACCAATTGATCCAG
AATTCTCCTGAGTGTTATCAGTTGTTGCATGAAGCAAGACGGTACCACATACTTGGGAATGAAATGATG
TCCCAAGGACTAGGCCACGAGGTCCTGCTATTCTGAGGTGATAGTTGTCGTTGGAGGATGTGAG
CGAGTTGGAGGATTTAATCTTCCATCACTGAGTGCTACGATCCTGTAACAGGAGAATGGAAGTCTTTG
GCTAAGCTTCCAGAATTTACCAATCAGAGTATGCAGTCTGTGCTCTAAGGAATGACATTCTTGTTC
GGTGAAGAATCAACAGCCGTGATGTCGATTATACTCACAGTTAAATATTTGGATCAGAGTTGCC
TCTCTCAATAAAGGCAGATGGCGTCACAAATGGCTGCTCCTTGGTAAAGTATATGTTGTCGGTGGC
TATGATGGGCAAAACAGACTTAGCAGCGTAGAATGTTATGATTCTTTTCAAATCGATGGACTGAAGTT
GCTCCCTTAAGGAAGCCGTGAGTTCTCCTGCAGTGACTAGCTGTGTAGGCAAACTGTTTGTGATTGGT
GGAGGACCTGATGATAACTTGTCTGATAAGGTTCAATCTTATGATCCAGAAACCAATTTCTGGCTA
CTTCGTGACGCTATCCCAATTGCCAAAAGGTGTATAACAGCTGTATCCCTAAACAACCTGATCTATGTT
GCCGTTGGAGTACCAAGGCAATATACTGTTACGATCCAGTTGAAGATTACTGGATGCACGTACAGAAT
ACATTGAGCCGTCAGGAAAAGTGTGGTATGTCTGTGTGAATGGTAAATATATATCTGGGCGGAAGA
CGGGAAAATGGAGAAGCCACAGACACTATTCTCTGTTATGATCCTGCAACAAGTATCATCACAGGGGTA
GCTGCAATGCCAGGCCAGTGTCTATCATGGCTGTGTGACTATTATAGATACAATGAGAAATGCTTT
AAACTCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:

SgfI-MluI

ACCN:

NM_017644

Insert Size:

1803 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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_017644.3</u>
RefSeq Size:	7331 bp
RefSeq ORF:	1803 bp
Locus ID:	54800
UniProt ID:	<u>Q6TFL4</u>
Cytogenetics:	3q27.1
Domains:	Kelch
MW:	68.4 kDa
Gene Summary:	The protein encoded by this gene is a ubiquitin ligase substrate receptor and is regulated by autoubiquitination. Variations in the translation initiation codon of this gene have been found, which result in an N-terminally truncated but more stable protein due to loss of the autoubiquitination function. The more stable mutant protein causes an increased ubiquitin and degradation of keratin 14, which leads to skin fragility and the potentially life-threatening disease epidermolysis bullosa. The encoded protein is also involved in the regulation of kainate receptors. [provided by RefSeq, Mar 2017] Transcript Variant: This variant (7), as well as variants 8-15, encodes isoform b.