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Product datasheet for SC111243

KLHL20 (NM_014458) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KLHL20 (NM_014458) Human Untagged Clone
Tag:	Tag Free
Symbol:	KLHL20
Synonyms:	KHLHX; KLEIP; KLHLX
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF within SC111243 sequence for NM_014458 edited (data generated by NextGen Sequencing)

ATGGAAGGAAAGCCAATGCGCAGGTGTACCAACATTCGACCAGGAGAGACTGGAATGGAT
GTAACAAGCCGCTGCACCCTTGGAGACCCCAACAAACTGCCAGAAGGGGTTCCCCAACCT
GCCCGCATGCCCTATATCTCAGACAAGCACCCTCGACAAACCTTGGAAGTGATTAACCTT
CTGAGAAAGCACCGGGAGCTATGTGATGTGGTGCTAGTTGTGGGCGCCAAGAAGATATAT
GCCCATCGAGTCATTTTGTCAGCCTGTAGTCCCTACTTCCGAGCTATGTTTACAGGAGAA
TTGGCAGAGAGCCGTCAGACAGAAGTAGTGATCCGAGACATTGACGAGAGGGCTATGGAA
TTACTGATTGACTTTGCGTATACCTCCCAGATAACAGTAGAAGAGGGCAATGTTCAGACT
CTTCTGCCAGCTGCTTGCCTCCTCCAGCTGGCAGAAATACAGGAAGCCTGCTGTGAATTC
TTAAAGAGACAATTAGATCCTTCTAACTGCCTGGGCATTCGGGCTTTTGCTGACACACAT
TCATGTCGTGAGTTGCTAAGGATAGCAGACAAGTTCACCCAACATAACTTTCAAGAGGTA
ATGGAGAGTGAAGAGTTCATGTTGCTTCCAGCCAATCAACTCATTGATATAATATCCAGT
GATGAGCTAAACGTTCGCAGTGAAGAACAAGTGTTCAATGCAGTGATGGCCTGGGTCAAA
TACAGTATTCAGGAAAGACGTCCTCAATTACCCCAGGTGCTGCAGCATGTTCGTTTGCCT
TTGCTTAGTCCCAAGTTCCTGGTCGGCACAGTAGGCTCTGATCCCCTCATCAAAAGTGAT
GAAGAATGCAGAGACTTGGTAGATGAGGCTAAAAACTACCTCCTATTGCCGCAAGAACGA
CCACTAATGCAAGGACCAAGGACGAGACCACGGAAACCTATCCGATGTGGGGAAGTACTC
TTTGCAGTTGGTGGTTGGTGCAGTGGAGATGCCATTTCCAGTGTTGAACGATATGATCCA
CAGACCAATGAATGGAGAATGGTGGCTTCAATGAGCAAAAGGAGATGCGGAGTTGGGGTC
AGTGTTCTTGATGATCTGTTATATGCAGTAGGAGGCCATGATGGATCCTCTTATCTCAAT
AGTGTTGAAAGGTATGACCCCAAAACAAACCAGTGGAGCAGTGATGTGGCCCCTACAAGC
ACCTGCAGGACAAGTGTTGGTGTAGCAGTACTTGGAGGCTTTCTTTATGCTGTGGGTGGC
CAGGATGGTGTGTCTTGCCTCAACATTGTTGAGAGGTATGATCCGAAGGAGAACAAGTGG
ACTCGGGTAGCTTCTATGAGTACCAGAAGACTAGGTGTGGCTGTGGCTGTGTTAGGAGGG
TTCTTATATGCTGTAGGTGGCTCTGACGGGACATCTCCTCTCAACACAGTGGAACGTTAC
AATCCTCAGGAAAACAGATGGCACACTATAGCCCCTATGGGGACCCGGAGGAAACACCTA
GGCTGTGCAGTATATCAGGACATGATCTATGCTGTAGGAGGTAGAGATGACACTACAGAG
CTGAGCAGTGCTGAGAGATACAACCCCAGAACCAACCAGTGGTCTCCAGTGGTGGCCATG
ACATCACGCCGTAGTGGAGTTGGCCTGGCAGTGGTCAATGGACAGCTCATGGCAGTAGGA
GGTTTTGATGGCACAACATACTTGAAGACCATAGAAGTTTTTGATCCTGATGCCAATACA
TGGAGGTTATATGGCGGGATGAATTACCGTCGGCTAGGGGGTGGCGTAGGAGTTATTAAA
ATGACACATTGTGAATCCCATATTTGGTGA

Clone variation with respect to NM_014458.3

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_014458 unedited
GTTAGGATTTGTATACGACTTTCCTATAGGCGGCCCGCGAATTCGCACGAGGTGGATATG
GGCCGGTGAAGGGAAAGGAAATAGCTCTACGAGCGGCATCCTGCCTGCGTTAGCGGCGGT
GGAGGAGGAGGCAGAGAGGAGTGGAGGGCGGAGTACACGGAGGAGGCTGCTGCAGAGAAG
AAAGTGTCAGAGCCGGTTCGGCTTTAGAGTGTGGTGAAGGGTACTTTTCATGGTGCATGG
AAGGAAAGCCAATGCGCAGGTGTACCAACATTCGACCAGGAGAGACTGGAATGGATGTAA
CAAGCCGCTGCACCCTTGGAGACCCCAACAAACTGCCAGAAGGGGTTCCCCAACCTGCCC
GCATGCCCTATATCTCAGACAAGCACCCTCGACAAACCTTGGAAGTGATTAACCTTCTGA
GAAAGCACCGGGAGCTATGTGATGTGGTGCTAGTTGTGGGCGCCAAGAAGATATATGCCC
ATCGAGTCATTTTGTCAGCCTGTAGTCCCTACTTCCGAGCTATGTTTACAGGAGAATTGG
CAGAGAGCCGTCAGACAGAAGTAGTGATCCGAGACATTGACGAGAGGGCTATGGAATTAC
TGATTGACTTTGCGTATACCTCCCAGATAACAGTAGAAGAGGGCAATGTTCAGACTCTTC
TGCCAGCTGCTTGCCTCCTCCAGCTGGCAGAAATACAGGAAGCCTGCTGTGAATTCTTAA
AGAGACANTTAGATCCTTCTAACTGCCTGNGCATTNCGGCTTTTGCTGACCACATTCATG
TCGTGAGTTGCTAAGGATAGCAGACCAGTTCACCCCCACATACTTTCCNAGAGTATGGAG
AGTGAAGAGTTCATGTTGCTTCCACCCATCAACTCATTGATATATATCCAGTGATGAGCT
AACGTTCGCAGTGAGA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_014458 unedited
GGGAGGTAGTTCATTTTAAACAACAAAAAACCTGATAAATTAAAACCAAAAATAAATATC
TCTCTCTGCACAGTAGTTGAAAATTATTGTGCATCTTGCAGGTGAAGTACTTTCATTGGA
TTGTATTTCCATTTGTTGAGGCACCGGCAAATAATAAAATTTGTTCTAATGTTTTCTCAA
GCTGTACAAATCTCCAAGGTCAAAGCTCCCCAGAATACAGAGGAATATATACAAGACTGT
CTTCTCTGTGTTCACCAAATATGGGATTCACAATGTGTCATTTTAATAACTCCTACGCCA
CCCCCTAGCCGACGGTAATTCATCCCGTCATATAACCTTCATGTATTGGCATCAGGATCA
AAAACTTCTATGGTCTTCAAGTATGTTGTGCCATCAAAACCTTCTACTGCCATGAGCTGT
CCATTGACTCACTGTCAGGCCAACTCTACTTCGGCGTGATGCAATGGCCACTCACTGTAG
ACCACTGGTTGGATTTGGGGTAGCTACTATAATCTCTGCTCTTATCTGATTCGAATTTTT
ACCTTCCCAGTAAATAAATGTTCTGTTTTATCGATATTTATATGTTATCTCCCGCTCTCT
TTGCGCCTATCAGTTCTTCAGAATTTCACCGTTTGTTTATTCTCCTGTACTTTTAAGTGT
TCTTCTTTGTCGCGTCCTTTCCTCTTCGTACCGTCGTGTGTAGGTATTTCTCTTCCGTTG
GTTTTTATTCTTATTTTCTCTTTCGTCTTCTAATATTCCTTTGATTCTTATCTTTATTAT
ATTCTACAATATCTAGCTTGTTTTACTTACAACTTCTCCTCTACTCCTTTTTCTACCTCT
ATTTTGTTGCATTTTCCTGTTTCTTACCATTACTCTCCAACTATTACTATCTACTCTCGA
TTTCCTCGAGACGCTCCCCCACCTTCTTTTTTTTTTTCTCCACCCAG

Restriction Sites: NotI-NotI

ACCN: NM_014458

Insert Size: 2710 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).

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.
RefSeq:	NM_014458.3, NP_055273.2
RefSeq Size:	3505 bp
RefSeq ORF:	1830 bp
Locus ID:	27252
UniProt ID:	Q9Y2M5
Cytogenetics:	1q25.1
Domains:	BTB, Kelch
Gene Summary:	The protein encoded by this gene is a member of the kelch family of proteins, which is characterized by a 44-56 amino acid repeat motif. The kelch motif appears in many different polypeptide contexts and contains multiple potential protein-protein contact sites. Members of this family are present both throughout the cell and extracellularly, with diverse activities. [provided by RefSeq, Jul 2008]