

Product datasheet for **SC216125**

KLHL25 (NM_022480) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	KLHL25 (NM_022480) Human 3' UTR Clone
Symbol:	KLHL25
Synonyms:	ENC-2; ENC2
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_022480
Insert Size:	1740 bp



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Insert Sequence: >SC216125 3'UTR clone of NM_022480
 The sequence shown below is from the reference sequence of NM_022480. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GTCAGCACCTGGAAGCACCTGCCCGCGTAGGAGCACCTGCTGAGCCAGCCAGACCCGGCCTTCAGT
GTCACAGCGTGGCCTTGCTGTCTGCCACAGCGGAGCTAAGCCGGCCCTGGGCCAGCACTCCGAGAGG
TGAAGGGGGCCCTGCCAGCTCTGGGAGCAGCAGCCTTGGGCTGTTCTGAGCTTTAGGCAAGAGAAGAG
AAGCATCTCTTGCATCCGTGCCCTGGGGCCTCTTCAGCTTTGCAGTGGTTTGTGGGAAGACATACCT
CCCAGAGGGGCATGGACTGCCACCAGGACTGACCTGGCGTGGGGGAGAAGGACACTTGCAGAGCCTTG
AGATCACCTGTTTGGCAGGTCTGGACTGGGGCCGGGCAGGCAGGGGCAGGGAGGCGCCCGGGTGGGC
TTTGGGGTGGCAGTCCACACATCCTTTCCCTCCTGGCCTGCCCTGCTGGGGCTCTACTGCCATCT
ATAGATGGTGTCTGGGCTGGGAACTAGGTTCCCAGGGGTTGAGACCAGAAAGGTGACCAAGACAGA
TTTTTTAAGGTGCAGAACTGCAGGGGGCCTCAGTGACATCCATGAGGCCTTATTAGCAAAGGACACC
CAGACCTCCAAGTGTGGGGCCCTTCCACAAAGCTGTAAGTCCCAGCCACCTACTCAGGGCCTTGC
TCAGTGTCTGGCCCGGTGGGACACAGTTGCTCGTGGCCACTCAGTGGAGCTGGGCCTGCAGCAGACT
CAAGGCTCCGAGTGCCCTGGGGTCAACCCTCCCTCCCTCCTCAGAGCCACCCTGAGAGGCAGCAG
TGACCCCATGGCACACCTGCCAACAGCACTGGGGGCTTCTCCCAGGAGACCACGCTGCCCTCAA
GACCAGGAGCAGCTGTGAGCTGGAGACAGCAGAGGGACCCAGGGTGTCCCCTGCAGATCCCACCAGG
CCGATCCATCTCAGTGTGGAGGACAGTACGGGACCCTCACCATCCTCTTGGCTTTGGCCCCATTT
GTCCTCAGCTCCAAGATAAGAATGGCCCCGAGAGAAGTGTGAACATTTGTTCACTTGTGCACCTC
CTGAGTCACTGGGTCCCCTCACCAGCACCTCCCTGACACCTGGGCTATGGAGAGGTTGGCGCTGTCA
TGACCATCCTAATGCCTCTCGTCACTCCAAGCCACCTTTGAGAGGGAGGGTGTGGTGGCCCTGAC
AGGGACTGGGCAGGGTGTCCAACTTGGGGCTTCCCAGGCACCTGCAGTGTGAACACTGCTTGGCTGGC
TCAAGATTAGGGCCGGAGGGGCTGTGCACATACCAGTTACTTAAGCAGCCACGAGTGTCCCCATG
CCTTGGTGCGGTCTGGAGGCTTGGGGTGGGACCTTGGGCAGGGTTGGCCACTGACACGCC
GCCATGGGGCACTGGCTGCATGGGGCTCCTTGGACCCTGTAGACCAGCAGACCCCGCTGTGTCAGGC
CAGCTGCCGAAGCACTTGGCTGTGGTCCCAGGGGACGGCTCTGCTGGCACACTCAGGAGCCTGGCCG
CGGGACTGCAGGAGGGTGCCTGGACCGTGGGGTGTTCATTGAGATAAAGCACACTTATCACATA
GCACAAAGGACGTGCCATGGTGTCTTCCCAAAAGTTGTGTTGCTTTTATCAGTTTTCTAACTTAATAA
AAAGAGTTGAGAAAA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_022480.4](#)

Summary:

Substrate-specific adapter of a BCR (BTB-CUL3-RBX1) E3 ubiquitin ligase complex required for translational homeostasis. The BCR(KLHL25) ubiquitin ligase complex acts by mediating ubiquitination of hypophosphorylated EIF4EBP1 (4E-BP1): ubiquitination and subsequent degradation of hypophosphorylated EIF4EBP1 (4E-BP1) probably serves as a homeostatic mechanism to maintain translation and prevent eIF4E inhibition when eIF4E levels are low. The BCR(KLHL25) complex does not target EIF4EBP1 (4E-BP1) when it is hyperphosphorylated or associated with eIF4E.[UniProtKB/Swiss-Prot Function]

Locus ID:

64410

MW:

62.4