

Product datasheet for **SC111512**

ANKRD13B (NM_152345) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANKRD13B (NM_152345) Human Untagged Clone
Tag:	Tag Free
Symbol:	ANKRD13B
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_152345, the custom clone sequence may differ by one or more nucleotides

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ATGATCCCCGCCAACGCCTCCGCCAGGAAGGGGCCGAGGGCAAGTATCCGCTGCACTACCTCGTGTGGC
ACAACCGCCACCGCGAGCTGGAGAAGGAGTCCGCGCGGGCCAGGTGGACATCGAGCAGCTGGATCCCCG
CGGCCGAGTCCCCTGCACCTGGCCACACGCTGGGGCACCTTGAGTGTGCCCGTGTCTCTCTGGCGCAC
GGCGCAGACGTGGGCAGGAGAATCGCAGCGGCTGGACAGTGTCCAGGAGGCTGTGAGTACCCGGGACC
TGGAGCTGGTGCAGCTGGTGTCTCGGTACCGGGACTACCAGCGGGTGGTGAAGCGGCTGGCGGGCATCCC
CGTGCTCTGGAGAAGCTGCGCAAGGCCAGGACTTCTACGTGGAGATGAAATGGGAGTTCACTAGCTGG
GTGCCCCGTGGTGTCCAAGATCTGCCCTAGTGACACCTACAAAGTGTGGAAGAGCGGCCAGAACCTGAGGG
TAGACACCACACTCCTGGGCTTTGACCACATGACCTGGCAGCGAGGGAACCGCAGCTTTGTCTTCAGGGG
CCAAGACACAAGCGCGTGGTGTGAGATTGACCACGACCGCCGGTGGTGTACACAGAGACTCTGGCA
CTGGCTGGGCAGGACCGGAGCTGCTGCTGGCTGCTGCTCAGCCCACTGAGGAACAGGTGCTGAGCCGGC
TTACCGCGCCCGTCTGACCACTCAGCTTGACACCAAGAATATCTCTTTGAGAGGAACAAGACTGGCAT
CCTGGGCTGGCGCAGTGAAGAGACGGAGATGGTGAATGGGTATGAAGCTAAGGTGTATGGGCATCTAAC
GTGGAGCTCATACCCGACACGGACAGAACATCTTTCAGAACAGCACAAGGGCAAGGTCAAAGGCTGTA
AGACACCTTTGAGTCTTCTGGGAATCGCTGAGCAGCACGGGGGCCCCAAAATGGGACCCTGATCAC
TCAGACTCTGAGCCAAGCCAACCCCACTGCCATCACTGCAGAAGAATACTTCAACCCCAACTTTGAGCTG
GGCAACCGTGATATGGGCCGCCCATGGAATGACCACCAAGACAGAAAGTTCAAGGCCAAGCTGTGGC
TGTGTGAGGAGCATCCCCTGTCCCTGTGTGAGCAGGTGGCCCCCATCATTGACCTCATGGCCGTGAGCA
TGCGCTTTTGGCAAGCTCCGGGACTTCATCACCTGCGTCTGCCTCTGGCTTCCAGTTAAGATTGAA
ATCCCGATCTTCCATCCTCAACGCCCCGATCACCTTCGGGAACCTCAACGGCTGCGACGAACCGGTGC
CATCGGTGCGAGGCAGCCCCAGCAGCAGCGACGCTTCCCAAGGACGCGACTCCTCCAGCGTCAGCAGCTC
CAGCTCCACGACCTCCTGCCGCGCTGCGAGATCTCCCAAGCGTGTTCGAGGCCCGCGCGGCTACAGC
ATGATGGGCGGCCAGCGGGAGGCGGCGACCCGGGACGACGACGACGACCTGCTGCAATTCGCCATCCAGC
AGAGCCTGCTTGAGGCGGGCAGTGAGTATGACCAGGTACCATCTGGGAGGCGCTAACCAACAGCAAGCC
AGGCACCCACCCCATGTCTACGAGGGTGCAGGACAGGAGCGCCCCGCCACGCCGAGCGCCAG
CCTGCGCCCCCGCGTCACTGCCAGCCCTCGGCCAGCTCAGGGCCAGGTTCCGGCGGCCAGTGTTC
GGAGCTACGACGAGCAGTGGGCTGGGATGGAATGTGGCGCAGGAGCAGGAGGAGGCGGGCGGC
CGCGCGCCAGGAGGAGGAGTGGAGCGCATCTGAGGCTCTACTGACCGAGCAGTAG

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_152345 unedited

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GACTCACTATAGCGGCCGCGATTCCGGCAGGAGAGAACTAGTCTCTCTCCCCTTCTG
CCTCCAGGCCAGGACTTCTACGTGGAGATGAAATGGGAGTTCACTAGCTGGGTGCCCT
GGTGTCCAAGATCTGCCCTAGTGACACCTACAAAGTGTGGAAGAGCGGCCAGAACCTGAG
GGTAGACACCACACTCCTGGGCTTTGACCACATGACCTGGCAGCGAGGGAACCGCAGCTT
TGTCTTACGGGGCCAAGACACAAGCGCCGTGGTGTGAGATTGACCACGACCGCCGGT
GGTGTACACAGAGACTCTGGCACTGGCTGGGCAGGACCGGAGCTGCTGCTGGCTGCTGC
TCANCCCACTGAGGAACAGGTGCTGAGCCGGCTTACCGCGCCCGTCTGTCACCACTCAGCT
TGACACCAAGAATATCTCTTTGAGAGGAACAAGACTGGCATCCTGGGCTGGCGCAGTGA
AAAGACGGAGATGGTGAATGGGTATGAAGCTAAGGTGTATGGGGCATCTAACGTGGAGCT
CATCACCCGCACACGGACAGAATCTTTCAGAACAGCACAGGGGCAAGGTCAAAGGCTG
TAAGACACCTTTTGAGTCTCTTCTTGGGAATCGCTGAGCACACCGCGGGGGCCCCCAA
ATGGGGACCCTGGATCACTTCACTTCTGAGCCAAGCCAACCCCACTGGCATACTGTGA
GAAGAATACTTTACCCCACTTTGAGCTGGGCACCGGGTATTTGGGCCGCATGGGACTG
ACACACACCAAAATTAGGCCACTTGGGTGTGTGGAGAGCATCTGTCTTGGGGGAA
AAGGGGGGCCCATATGCTTTATGGGCGCACAAGCCCTTTTGACTCCGGGATTTACCCC
GGGGTGTCTGGGTCCCCCAAAAAGAAAACCCATTTACTACTAACCCCTACTTTGGACTA
CGGTGGAAGAGCGCCTTGGGGGGGACCCAAGAAGTCCACACA

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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_152345 unedited <pre> NGGTACAGCTATGNNACCGCGGCCCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTT TTTTTTTTTTTTTTTTTTTTTTTTTCCGGTATGAACCCTCTTTATTTGTGCCTCAAAATAG TCTGGTGCCCTGGCATCAGGGAAGGGGTGGGAGGAACAGTTTCTCTTTGTTCTTTTCT TCCATCCCTCTTTGTGTCCCTTCTGAGCCTCACTGGCTGAGCCGGGAAGGCCAGTCCCAA ACAGGCCCGGGACAAGGGTGTGCGGTGGGCCCTGCCCTGGCGGGGTCTGTGCTTCTCT GGGTGGGTGAGGTGGGCAAGGAAAACCGGGGTACCACCATTGGATGAAGGGTTTTA AAGTCAGTCTCCGTGTGGGGCAAGTGGGATGTACAACCACAGAGGCTAGCACCACCCTG GTGGGAAGGGGTGTGGGTGGCCCCAGGCCCTGGGCGAGCCCTTTGTGTCCAGTCTACT TGGGTCTAGTGCTTACCCAGCCCAATATGCTCCCCACTCTCCGAGGCACCCTGAGGGAG TCAGGGCTTGACAGGCCAGGGGCTACGTTGGACACCTCCCTGATCCAAAAAAAAAAAA AAAAAGTGCTTTGGGGATGGGACTCCAACCTCTGGCTGCCCAAGGAGAAGCTGGAACCA CCCTGACACCCAGACGGGTGTGGGGGCTGGGGGAACCGGTACCCCGCTTAGTGCCTTG AACTAAATCCCGGTGGGGAAGGGCTTGCCCTAACCTTCTGTTTTTTGTTGGGAAAA AACATGACCCCCCCCCGGGGACCTCAACTCCCCCGGATTGAAGCCAAAATCCCAGCT TTTGGGCAATGCTCTAAGGGGGTATAGAACAAAAACCGCCCCCAAGAAAN </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_152345
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:	<u>NM_152345.3</u> , <u>NP_689558.3</u>
RefSeq Size:	3203 bp
RefSeq ORF:	1881 bp
Locus ID:	124930
UniProt ID:	<u>Q86YJ7</u>
Cytogenetics:	17q11.2
Domains:	UIM

Gene Summary:

Ubiquitin-binding protein that specifically recognizes and binds 'Lys-63'-linked ubiquitin. Does not bind 'Lys-48'-linked ubiquitin. Positively regulates the internalization of ligand-activated EGFR by binding to the Ub moiety of ubiquitinated EGFR at the cell membrane.
[UniProtKB/Swiss-Prot Function]