

Product datasheet for SC329320

ANKRD50 (NM_001167882) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANKRD50 (NM_001167882) Human Untagged Clone
Tag:	Tag Free
Symbol:	ANKRD50
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001167882, the custom clone sequence may differ by one or more nucleotides

ATGAAGCCTCCCCAGCAAAGCCTATACCTGCTTGTGATTCTGTTGATGAAGGGTGAAC
 ATTACTGAAGGTGAACAAACGTCTACCAGCTTATCTGGGACTGTTGCAGCACTTTTAGCT
 GGTCAACATGAGTTCTTTCCACCATGGCTATTGCTTCTGTTCTGCCCGAAAGCAGAGT
 AAGGCTGTTACTAAAATGTTTACTGGTTTTCGAAAAATAAGTTTAGATGACCTTCGGAAG
 GCATATATCGTCAAGGATGTTTCAGCAGTACATTCTTCATCGTTTAGATCAAGAAGAAGCT
 TTGCGACAACACCTCACAAAAGAACTGCAGAGATGTTAAATCAACTGCACATTAAGC
 AGTGGATGCTTTTCTTACCTAGAACGAGTTTTAGATGGAGTTGTAGAAAAATTTATTATG
 TTAAGAGAAATTCGTGACATCCAGGAACTCTAAATGGTTTATATCTCTGGCTGTGCCAA
 AGACTTTTGTGAAGAAACAATTTGCAAAGTTTCAGCCTATTTTGAATGTGATTCTTGCA
 GCCTGCCGACCTTTGACCATAACGGAATTATATCACGCAGTATGGACCAAAAACATGTCG
 TTAACCTTTGGAAGATTTTCAACGCAAGTTAGATATCCTCTCCAACTTCTTGTTGATGGA
 CTAGGAAATACAAAAATACTGTTTCATTATAGTTTTGCCGAGTGGCTTCTGGATGTGAAA
 CACTGTACTCAGAAGTATTTATGTAATGCAGCAGAAGGACACAGAATGTTGGCTATGAGT
 TATACCTGTCAAGCCAAGAATTTAACACCATTGGAAGCACAAGAATTTGCATTGCACTTA
 ATTAACCTCAAACCTACAATTAGAGACAGCGAGTTAGCTCTGTGGATGATATGGAATGGT
 ACACCTGTCAGAGATTCCTTTCTACTTTGATACCCAAGGAACAAGAAGTGTACAGCTG
 TTGGTTAAAGCTGGGGCTCATGTCAACAGTGAAGACGATCGCACATCATGCATAGTTTGA
 CAAGCCTTAGAAAGAGAGAGATTCCATTTCGACATTATTAGATAATGGAGCTTCAGTAAAT
 CAGTGTGATTCAAATGGGAGAACATTATTGGCTAATGCTGCATATAGTGGCAGTCTTGAT
 GTAGTCAATTTACTTGTCTCTAGGGGAGCAGATTTAGAGATAGAAGATGCTCATGGACAT
 ACACCACTCACTCTAGCGGCTAGACAGGGACATACCAAGGTGGTTAATGTTTGGATTGGG
 TGTGGAGCAAATATTAATCACTGATCAAGATGGTTGGACAGCATTAAAGATCTGCTGCT
 TGGGGTGGCCATACTGAGGTAGTTTCTGCACTACTTTATGCTGGCGTAAAAGTGGATTGT
 GCAGATGCTGATAGCCGAACAGCTTTGAGAGCAGCAGCATGGGGAGGACACGAGGATATT
 GTACTGAATTTGCTACAACATGGCGCTGAAGTGAACAAAGCTGATAATGAAGGTAGAAT
 GCTTTGATAGCAGCAGCATACATGGGACATAGAGAGATTGTGGAACACCTACTGGACCAT
 GGAGCAGAAGTAAATCATGAGGATGTTGATGGCAGGACTGCACTCTCTGTAGCTGCACTT


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TGTGTGCCTGCAAGTAAAGGGCACGCATCAGTTGTTAGCCTTTTAATTGATCGAGGTGCT
 GAAGTAGATCATTGTGATAAAGATGGCATGACTCCACTGCTGGTAGCTGCCTATGAAGGA
 CATGTTGATGTGGTTGACTTGCTTCTAGAAGGGGAGCAGATGTAGATCACACAGATAAC
 AATGGCCGTACACCCCTCTTAGCAGCAGCGTCTATGGGTCATGCATCAGTTGTAATACA
 CTTTTGTTTTGGGGTGCAGCTGTGGATAGTATTGATAGTGAAGGTAGGACAGTCCCTCAGT
 ATAGCTTCAGCACAAAGGAAATGTTGAGGTGGTACGTA CTCTACTGGATAGAGGGTTAGAT
 GAAAATCACAGAGATGATGCTGGATGGACACCTTGCACATGGCAGCTTTTGAAGGGCAC
 AGATTGATATGTGAAGCACTTATTGAACAAGGTGCTAGAACAATGAGATTGACAATGAT
 GGACGAATCCCTTTCATATTAGCTTCACAAGAGGGTCATTATGATTGTGTTCAAATATTA
 CTGGAACAAATCCAACATTGATCAAAGAGGTTATGATGGAAGAAATGCACTGCGGGTT
 GCTGCATTAGAAGGGCACAGGGACATTGTTGAATTGCTTTTTAGCCATGGTGCTGATGTT
 AACTGCAAAGATGCTGATGGTCGGCCTACACTTTATATCTTGGCCTTAGAAAATCAGCTT
 ACAATGGCCGAATATTTTTAGAAAATGGTGCAAACGTAGAAGCAAGTATGCTGAAGGA
 AGGACAGCACTTCATGTGTCTTGTGGCAAGGCCATATGGAATGGTGCAGGTCCTGATA
 GCATACCATGCTGACGTCATGTGTCAGACAATGAAAAGCGCTCTGCTTTCAGTCTGCA
 GCCTGGCAGGGCCATGTAAAAGTGGTTCAGCTTCTGATTGAGCATGGTGCTGTAGTTGAC
 CATACTGTAACCAAGGTGCAACTGCACTCTGTATTGCAGCCCAGGAAGGGCACATTGAT
 GTTGTTCAAGTCTTATTAGAGCATGGTGCTGATCCAAACCATGCTGATCAATTTGGACGC
 ACTGCTATGCGTGTTCAGCCAAAAATGGACATTCAGATAATTAATATTAGAAAAA
 TATGGTGATCTAGTTTGAATGGCTGTTCCCATCTCCTGTTACACAATGGAGCAAAAA
 CCTCTACAGTCATTGTCTTCAAAAGTGCAGTCATTAACAATTAATCAAATAGCTCTGGT
 AGTACTGGTGGAGGGGATATGCAGCCTTCGTTACGTGGTTTACCTAATGGGCCTACTCAT
 GCTTTTAGTTCTCTTCCAGAATCTCCAGATTCTACAGTTGACCGGCAGAAGTCATCACTG
 TCAAAATAATCCCTGAAAAGCTCAAAAAATTCATCTTTGAGAACTACTTCATCTAGACA
 ACGGCTCAAACAGTGCCAAATTGATAGCTTTCATAACTTGTCATTTACAGAACAAATTCAG
 CAGCATTATTGCCACGCAGTAGAAGTCGACAGTCAATTGTTTCCCATCTTCCACAACA
 CAGTCCTTAGGACAGAGTCATAATTCACCAAGTAGTGAATTTGAGTGGAGTCAAGTAAAG
 CCCAGTTTGAAGTCAACTAAAGCAAGTAAAGGGGGGAAATCAGAAAATCTGCCAAGTCT
 GGTACAGCTGGGAAAAAGCGAAACAAAGTAATCTTCACAGCCAAAGGTTTTAGAATAT
 GAAATGACTCAGTTTGATAGAAGAGGACCTATAGCCAAATCCGGGACTGCTGCACCACCT
 AAACAAATGCCAGCAGAATCTCAATGCAAAATTATGATACCTTCAGCTCAGCAGGAAATT
 GGTGATCTCAACAGCAGTTTCTTATTCACCAACAAAGTGGGGAACAGAAGAAGAGAAAT
 GGAATAATGACAAATCCAATATCATCTTCAGAGCAACCAGGTTTTCTTGGTAGGGTT
 TCAGTCCCACGAACAATGCAAGATAGAGGGCATCAGGAAGTGTGGAGGGATACCTTCC
 TCAGAGACAGAATTAAGCCTTAAACAAGCTCTGAAGCTTCAGATTGAAGGTTCTGACCCT
 AGCTTCAACTATAAAAAGGAAACACCATTATAA

Restriction Sites:	Please inquire
ACCN:	NM_001167882
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.
RefSeq:	<u>NM_001167882.1, NP_001161354.1</u>
RefSeq Size:	7519 bp
RefSeq ORF:	3753 bp
Locus ID:	57182
UniProt ID:	<u>Q9ULJ7</u>
Cytogenetics:	4q28.1
Gene Summary:	Involved in the endosome-to-plasma membrane trafficking and recycling of SNX27-retromer-dependent cargo proteins, such as GLUT1 (PubMed:25278552).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) lacks an internal exon in the 5' region, as compared to variant 1. The resulting isoform (2) has a shorter N-terminus, as compared to isoform 1.