

Product datasheet for SC122532

Filamin A (FLNA) (BC014654) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Filamin A (FLNA) (BC014654) Human Untagged Clone
Tag:	Tag Free
Symbol:	FLNA
Synonyms:	ABP-280; ABPX; actin-binding protein 280; DKFZp434P031; filamin 1; filamin A, alpha; filamin A, alpha (actin binding protein 280); FLN; FLN1; FMD; MNS; NHBP; OPD; OPD1; OPD2; OTTHUMP00000024320
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>OriGene sequence for BC014654 edited GAGGACGGCACTTTGACATCTTCTACACGGCCCCCAGCCGGGCAAATACGTCATCTGT GTGCGCTTTGGTGGCGAGCACGTGCCAACAGCCCCTTCCAAGTGACGGCTCTGGCTGGG GACCAGCCCTCGGTGCAGCCCCCTACGGTCTCAGCAGCTGGCCCCACAGTACACCTAC GCCCAGGGCGGCCAGCAGACTTGGGCCCGGAGAGGCCCTGGTGGGTGTCAATGGGCTG GATGTGACAGCCTGAGGCCCTTTGACCTTGTCATCCCCTTACCATCAAGAAGGGCGAG ATCACAGGGGAGGTTGCGATGCCCTCAGGCAAGGTGGCGCAGCCACCATCACTGACAAC AAAGACGGCACCGTGACCGTGGGTATGCACCCAGCGAGGCTGGCCTGCACGAGATGGAC ATCCGCTATGACAACATGCACATCCCAGGAAGCCCCTTGCAAGTCTATGTGGATTACGTC AACTGTGGCCATGTCACTGCCTATGGGCCTGGCCTCACCCATGGAGTAGTGAACAAGCCT GCCACCTTACCCTCAACACCAAGGATGCAGGAGAGGGGGCCTGTCTCTGGCCATTGAG GGCCCGTCCAAAGCAGAAATCAGCTGCACTGACAACCAGGATGGGACATGCAGCGTGTCC TACCTGCCTGTGCTGCCGGGGACTACAGCATTCTAGTCAAGTACAATGAACAGCAGTC CCAGGCAGCCCCCTCACTGCTCGGGTACAGGTGACGACTCCATGCGTATGTCCCACCTA AAGGTCGGCTCTGCTGCCGACATCCCCATCAACATCTCAGAGACGGATCTCAGCCTGCTG ACGGCCACTGTGGTCCC GCCCTCGGGCCGGGAGGAGCCCTGTTTGTGAAGCGGCTGCGT AATGGCCACGTGGGGATTTCACTCGTGCACCAAGGAGACGGGGGAGCACCTGGTGCATGTG AAGAAAAATGGCCAGCACGTGGCCAGCAGCCCCATCCCGTGGTATCAGCCAGTCGGAA ATTGGGGATGCCAGTCGTGTTCCGGTCTCTGGTCAGGGCCTTACGAAGGCCACACCTTT GAGCCTGCAGAGTTTATCATTGATACCCCGATGCAGGCTATGGTGGGCTCAGCCTGTCC ATTGAGGGCCCCAGCAAGGTGGACATCAACACAGAGACCTGGAGGACGGGACGTGCAGG GTCACCTACTGCCCCACAGAGCCAGGCAACTACATCATCAACATCAAGTTTGCCGACCCAG CACGTGCCTGGCAGCCCCCTTCTGTGAAAGGTGACAGGCGAGGGCCGGGTGAAAGAGAGC ATCACCCGACGGCGTCCGGCTCCTTCAGTGGCCAACGTTGGTAGTCATTGTGACCTCAGC CTGAAAAATCCCTGAAATAGCATCCAGGATATGACAGCCAGGTGACCAGCCCATCGGGC AAGACCCATGAGGCCGAGATCGTGAAGGGGAGAACCACCTACTGCATCCGCTTTGTT



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CCCCGTGAGATGGGCACACACAGTCAGCGTGAAGTACAAGGGCCAGCACGTGCCTGGG
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CCTGTGGCTTCTCCGTCTGGCGACGCCCTCACTGTTTCTAGCCTTCAGGAGTCA
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GACCAAGATAAGTATGCTGTGCGCTTCATCCCTCGGGAGAATGGCGTTTACCTGATTGAC
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GTTGTGGTGCCTGAGTCTGGGGCCGTGCCAGCCGGCAGCCCCAAGCCTGCCCCGTA
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GTCACTGCAGCCGCCCTGCCCTGTGCCGTGCTGCGCTCACCTGCCTCCCCAGCCAGCCG
CTGACCTCTCGGCTTTCACTTGGGCAGAGGGAGCCATTTGGTGGCGCTGCTTGTCTTCTT
TGGTTCTGGGAGGGGTGAGGGATGGGGTCTGTACACAACCACCCACTAGTTCTCTTCT
CCAGCCAAGAGGAATAAAGTTTTGCTTCCATTCTAAAAAAAAAAAAAAAAAAAAAAAAA

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5' Read Nucleotide Sequence:

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>OriGene 5' read for BC014654 unedited
NTCTNCGTGAGNCAATTAACCNAGNAATTCATGATCAGGNCGTGGCGCGCAATTCGGGCA
CGGAGGGCAGGGACGGTTTCTTTTCGACATCATTCTACACGGGGCCCCAGCCGGGCAAA
TACGTCATCTGTGTGCGCTTTGGTGGCGAGCACGTGCCAACAGCCCTTCCAAGTGACG
GCTCTGGCTGGGGACCAGCCCTCGGTGCAGCCCCCTTACGGTCTCAGCAGCTGGCCCCA
CAGTACACCTACGCCAGGGCGGCCAGCATACTTGGGCCCGGAGAGGCCCTGGTGGGT
GTCAATGGGCTGGATGTGACCAGCCTGAGGCCCTTTGACCTTGTGATCCCTTACCATC
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ATCACTGACAACAAGACGGCACCGTGACCGTGCAGTATGCACCCAGCGAGGCTGGCCTG
CAGGAGATGGACATGCGCTATGACAACATGCACATCCCAGGAAGCCCTTGCAGTTCTAT
GTGGATTACGTCAACTGTGGCCATGCTACTGCCTATGGGCCTGGCCTCACCCATGGAGTA
GTGAACAAGCCTGCCACCTTACCGTCAACACCAAGTATGCCANGAGAGGGGGTGCCTGT
CTCTCGCCATTTGATGGCCCGTCCAAAGCAGAAATCAGCTGCACTGACCACCAGNATGGG
ACATGCAGCGTGTCTACCTGCCTGTGCTGCCGTGGGACTCCGCAGTCTATTAAGTACAA
TGTACAGCACGTTCCAGGCAGCCCTCACTGCTCGGTACAAGTGACCACTTCATGCCTT
TGTCCTAAAGGTTCGGTTTTGTTGCGACATCCCAATCACATCTCAGAAAGGATCTTAC
CTGCTGACGGCCACTGTGGCCGCTCCTCGGCCGGAGGAGCCCTGTTTGT

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Restriction Sites:

Please inquire

ACCN:

BC014654

Insert Size:

3000 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:	<ol style="list-style-type: none">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>BC014654.1</u> , <u>AAH14654.1</u>
RefSeq Size:	3176 bp
Locus ID:	2316
Cytogenetics:	Xq28
Protein Pathways:	Focal adhesion, MAPK signaling pathway
Gene Summary:	The protein encoded by this gene is an actin-binding protein that crosslinks actin filaments and links actin filaments to membrane glycoproteins. The encoded protein is involved in remodeling the cytoskeleton to effect changes in cell shape and migration. This protein interacts with integrins, transmembrane receptor complexes, and second messengers. Defects in this gene are a cause of several syndromes, including periventricular nodular heterotopias (PVNH1, PVNH4), otopalatodigital syndromes (OPD1, OPD2), frontometaphyseal dysplasia (FMD), Melnick-Needles syndrome (MNS), and X-linked congenital idiopathic intestinal pseudoobstruction (CIIPX). Two transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Mar 2009]