

Product datasheet for **SC320904**

PLEKHF2 (NM_024613) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PLEKHF2 (NM_024613) Human Untagged Clone
Tag:	Tag Free
Symbol:	PLEKHF2
Synonyms:	EAPF; PHAFIN2; ZFYVE18
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_024613.2
 GGAGGGGCGGGGAGTCACCTGCGAGCGGCTGCGCTGGCGGCCAGCCCGCCACCGCGTC
 TGGATCGCGCGGCTGCGCGGGGCTGCGGACAGCACACCCCTGGAAGGCCCCGGCGGGG
 AACGGGCAGAGTCCGCGCCCTGCGTCCGCGACCAGGAGGATCGGACCTTCGCTTCGCTG
 TCGCCGCCCGCCCGCCCGCGGGCTATTAGTGAAAGATGGTGGATCGCTTGG
 CAAACAGTGAAGCAAATACTAGACGTATAAGTATAGTGAAAACTGTTTTGGAGCAGCTG
 GTCAACCTTTAACTATACCTGGACGAGTTCTTATTGGAGAAGGAGTATTGACTAAGTTGT
 GCAGGAAAAAGCCAAAGCAAGGCAGTTTTTCTTGTTTAAATGATATTCTTGATATGGCA
 ATATTGTCATCCAGAAGAAAAATATAACAAACAACATATTATCCCCTGAAAAATGTCA
 CTATTGATTCCATCAAAGATGAGGGAGACTTAAGGAATGGATGGCTAATCAAGACACCAA
 CTAAATCTTTTGCAGTTTATGCTGCCACTGCTACGGAGAAATCAGAATGGATGAATCATA
 TAAATAATGTGTTACTGATTTACTCTCCAAAAGTGGGAAGACACCCAGTAATGAACATG
 CTGCTGTCTGGGTTCTGACTCTGAGGCAACTGTATGTATGCGTTGTCAGAAAGCAAAAT
 TCACACCTGTTAATCGTCGCCACCATTGCCGCAATGTGGTTTTGTTGTCTGTGGGCCCT
 GCTCTGAAAAGAGATTTCTTCTCCAGCCAGTCTCTAAGCCTGTGCGGATTTGTGACT
 TCTGCTATGACCTGCTTTCTGCTGGGGACATGGCCACATGCCAGCCTGCTAGATCAGACT
 CTTACAGCCAGTCATTGAAGTCTCCTTTAAATGATATGTCTGATGATGATGACGATGATG
 ATAGCAGTGACTAAGGACACATTTGGGAGTATTTAATCAGGTGTGGCTATCTGAGAAATC
 AACTTTGGGGGAAATGTAAGATTCTGAGCTCTCTCTGTTTTGTTCTAGCCATGAATTT
 GCCTGAGAAACTGTAACTATGTGCCTCAATATATCCATAGAAAGTAGGTCCCCTGC
 CTTCTCCCACTCCTCACACTCTTCTACAGGGATAGGCTTTTGCAAATATATCAGATAAAT
 TTTTGTCTTCTGTTTATTTTATAGGTTATTTTCTTGGAAGGTTGGGAAAAGATGTTTGT
 TTAACAGGTCATGACTACGTTGTTGTTTTCATTCTGTTATAAGTAAACTAAAAGCAC
 AGAATGGTGGGAAAGGGGCTATAATGTGGTTCATTAAATGTTAGCAGCTTTTTTCTAA
 CCATCCTGTCTAATGGTTAAGACACCAGTAACAAAAACATGATTTGGAATACTTTGG
 CTTTTTCATACCTAGTGGTGCCTTATCATAATAGCACTGTTACATGAAATAAGCCCT
 ACCTTCTTACTTTCTGTTTGTGAAAAATACACTGGTGCTCTTTGAAGTGATAAAATG
 AGTGTATGATGGGTGAATAGGAAATACTTCTCATCTGACAGCTACAAATAACTAA
 GTTTGGAGGTATTTCACTCTATATGAATAAATATTTTCCATAAATAGTTGTGATTAT
 ATTTTGTATATAGGTCCCAAATTATAATTGTCAAATATATTTTAAATTAATAAA
 AGTTGTCATTCTAGGAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_024613

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_024613.2, NP_078889.1</u>
RefSeq Size:	2905 bp
RefSeq ORF:	750 bp
Locus ID:	79666
UniProt ID:	<u>Q9H8W4</u>
Cytogenetics:	8q22.1
Domains:	FYVE, PH
Gene Summary:	May play a role in early endosome fusion upstream of RAB5, hence regulating receptor trafficking and fluid-phase transport. Enhances cellular sensitivity to TNF-induced apoptosis (PubMed:18288467).[UniProtKB/Swiss-Prot Function]