

Product datasheet for SC112123

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:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC112123 sequence for NM_024613 edited (data generated by NextGen Sequencing) <pre> ATGGTGGATCGCTTGGCAAACAGTGAAGCAAATACTAGACGTATAAGTATAGTGGAAAAC TGTTTTGGAGCAGCTGGTCAACCTTTAACTATACCTGGACGAGTTCTTATTGGAGAAGGA GTATTGACTAAGTTGTGCAGGAAAAAGCCAAAGCAAGGCAGTTTTTCTTGTTTAAATGAT ATTCTTGATATGGCAATATTGTCATCCAGAAGAAAAATATAACAAACAACATATTATT CCCCTGGAAAAATGTCATATTGATTCCATCAAAGATGAGGGAGACTTAAGGAATGGATGG CTAATCAAGACACCACTAAATCTTTGCAGTTTATGCTGCCACTGCTACGGAGAAATCA GAATGGATGAATCATATAAATAAATGTGTTACTGATTTACTCTCCAAAAGTGGGAAGACA CCCAGTAATGAACATGCTGCTGTCTGGGTTCTGACTCTGAGGCAACTGTATGTATGCGT TGTCAGAAAGCAAATTCACACCTGTTAATCGTCGCCACCATTGCCGCAAATGTGGTTTT GTTGTCTGTGGCCCTGCTCTGAAAAGAGATTTCTTCTCCAGCCAGTCCTCTAAGCCT GTGCGGATTTGTGACTTCTGCTATGACCTGCTTTCTGCTGGGGACATGGCCACATGCCAG CCTGCTAGATCAGACTCTTACAGCCAGTCATTGAAGTCTCCTTTAAATGATATGTCTGAT GATGATGACGATGATGATAGCAGTGACTAA </pre>

Clone variation with respect to NM_024613.3



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_024613 unedited <pre> TTGTAATACGATCTCACTATAGGGCGGCCGCAATTTCGCACGAGGCCAGGCAGCCGTTG TCGGGTTTCGACTGGAGGGGCGGGGAGTCACCTGCGAGCGGCTGCGCTGGCGGCCAGCCC GCCCACCGCTCTGGATCGCGCCGGCTGCGCGGGGCTGCGGACAGCACACCCCTGGAAG GCCCCGGCGGGGAACGGGCAGAGTCCGCGCCCTGCGTCCGCGACCAGGAGGATCGGACCT TCGCCTTCGCTGTGCGCCGCCGCCGCCGCCGCGGCGCTCGGGGCTATTAGTGAAGATGG TGGATCGCTTGGCAAACAGTGAAGCAAATACTAGACGTATAAGTATAGTGGAAAAGTGT TTGGAGCAGCTGGTCAACCTTTAACTATACCTGGACGAGTCTTATTGGAGAAGGAGTAT TGACTAAGTTGTGCAGGAAAAAGCCCAAAGCAAGGCAGTTTTCTTGTAAATGATATTC TTGTATATGGCAATATTGTCATCCAGAAGAAAAATATAACAAACAACATATTATCCCC TGGAAAATGTCATATTGATTCCATCAAAGATGAGGGAGACTTAAGGAATGGATGGCTAA TCAAGACACCACTAAATCTTTTGCAGTTTATGCTGCCACTGCTACGGAGAAATCAGAAT GGATGAATCATATAAATAAATGTGTTACTGATTTACTCTCCAAAAGTGGGAAGACACCCA GTAATGAACATGCTGCTGTCTGGGTTCTGACTCTGAGGGCACTGTATGTATGCGTTGTC AGAAGCAAATTCACACCTGTTAATCGTCGCCACCTTGCCGAATGTGGTTNNTGTGTCTG TGGGCCCTGCTCTGAAAGAGATTCTTCTCCAGCCAGTCTCTAACCTGTGCGG </pre>
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_024613 unedited <pre> GCACGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTAAAGTTGTAAATATTTTTTATT GTAAAAACAAAGTCAATAAAGGTTGACAATGTAATGTTATCTCACACATTTCCCCTTG GTTCTGAATTTGCTAGATTCTATGTACCAGCAAATCTCCATTAGCATTCTCAGGTTT CATGATCCTTTTCAGATATGTTGGTTGATTATATGTATATATTGCTTAGAAAACAAAATC CACCTGATATTAACAAACCAAAAAAATCATAAAAGCAAGCAATGAACAAAAACCC TAGTTTTGTTGTCTTTTCTTTCACATTTCTACAGGGAGATTTGTATATCTCAGATACT TTCAAAATCTAATAGGTAAGTAAATAGTGCCTTAACCAAACAGTAAGATACCAAAGAA TCCTCCATCACAAGTTACTGAATCAAACTTCTCATGACATTTGCGGTATATTAGATTTG AAGATTTTTTAAATTTAGAATTTAAACAACTTTAGACTGCTGATTTTCCATATTTCAA AGACTGTAGTTGTTTGCAGCATATAATGGAAAGAGTAGTGCAAAACGCATCAAGTTTTA TATGATAAATATATACTTTCAACCTAATGGCTGCCTCAAAAGTAAAGAGTGAACAATTAC TTCTCAAAATAAATCTAGATTGACTTAAAGTTCACAATTTAGAAATAGCAATTGCTACTC TATTTCCATAGATTGCAAAATGATTTCAAATACAGATTATACATACCNATTGTTTTACAA AAATAGAAATATTGGCTAGGGATCTTACCAAACTGTATANAATATAACACTATACTTTGC AAATTCAAAGATAGTTTCACTGAANNTAGACATACTTNCCGATATGAAGTCTAGCCAAC TAAAGTGGTCTGCCCTGAGGCATNCTTACTATNATTCTNCAATCTCAGCCTAGTAATCTG GCTCTAACAGGCTGAAAAAACGGTATTTAGGGTTATAAGATTCATCGAAA </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_024613
Insert Size:	2930 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:	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]