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Product datasheet for SC309119

EXPH5 (NM_015065) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EXPH5 (NM_015065) Human Untagged Clone
Tag:	Tag Free
Symbol:	EXPH5
Synonyms:	SLAC2-B; SLAC2B
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene sequence for NM_015065 edited
ACTTTCAAAGGGGCGGACTTATTATTGGCTGTGGGATCAAGTTCGTGAAACTGGTCTTGT
ACAGGTTGAAAAATGCCTTCCTAACAGGAGGCGCCAAGGAGCTTAAGTGTAACTCACACA
CAGTAAAGAAAATGACGAAAGTTCCTCCGGCGTTTGATTTCAGTTTCTTAAATGACGAAG
AGGCCGGGAAGATCCTTCAGGTGCTGGAAAGGAATGAGGAGTTACAGAGGGCCGAGAAGG
ACAGGATCAGCAAACTTCAGAAGACAAAGAGGGATATCAGATGGCTTCAGGGAGTGACTG
GTGAATGGTTTGAAGAAATTCAAAGAAAAAAGTTTTGCAATGAAACAGATGTTAGCCAAA
TGTTAAAACAACCACTTACATACAGGCTAAGTAAGGAGATGGCAAAAAATGATCCGATAG
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CCCGGATGAGCTTCAGATCGTCATTTGCTTCCCTGTTCTCATTCAGGAAATCTGGAAAGG
AGACTTCAAAGCTTCCATCACTGGGACAGAAAGGATGTGATGGCCATGCAGGACCTCCTA
TGCCTGTGAGGGGAGCTGCTGTGCAGGCAAAAATATACAATTCACCTCTGGAAAATCATC
TAGTTGACAGTACATTTGTCCCAAAGCCAGCAGTCATGAGGGAGGAGAGTGGCATGCCTC
CACCGTGGGATGCTTCACTGCTGGAGAATGAGTTTTTCCAAGTTTTAGATGACTTGGATA
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TGAGTCCCGACACTTTTGAGAACTCAGAGAACATGCCATTCTACCATCAAAGCAACACAT
TTACCAGATCTTTCTTCAGCAATACCTTTGGACGAAGCGGAGAACAGAGGAGATTTGGAC

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AAGGTCCTTTTTGGGGCCAAGAGAAAGGACATTCTTTCTGGTCTGACTTTCATCGAAGCA
GGAAATCATTCAGTTCTTCTGACAGAGACTTTGAAATGATTTCCATGGAAGCAAATAGTG
TATCAGCCATTCATGGCCATAATGTTTCTTCTGAACACTGGGAATCATTTTCTTCTGGTT
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AACATTTAGGAAGTTTAAGGTGGTGATCTTCTCTTTCAAACAAAGATAAAGGAATTTATT
TTTTAACCTGAGAAACTGATTGCAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_015065

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: The open reading frame of this TrueClone was fully sequenced and found to differ from the protein associated to this reference by two amino acids.

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: NM_015065.1, NP_055880.1

RefSeq Size: 6655 bp

RefSeq ORF: 5970 bp

Locus ID: 23086

Cytogenetics: 11q22.3

Gene Summary: The protein encoded by this gene is a member of the synaptotagmin-like protein (Slp) family lacking a C2 domain. It contains an N-terminal synaptotagmin-like homology domain (SHD), and is a ras-related protein Rab-27B effector protein. This protein is thought to be involved in exosome secretion and intracellular vesicle trafficking. Reduced expression of this gene results in keratin filament defects. Mutations in this gene have been associated with some cases of epidermolysis bullosa, an inherited skin fragility disorder. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Aug 2015] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.