

Product datasheet for SC325421

EXPH5 (NM_001144765) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EXPH5 (NM_001144765) Human Untagged Clone
Tag:	Tag Free
Symbol:	EXPH5
Synonyms:	SLAC2-B; SLAC2B
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001144765, the custom clone sequence may differ by one or more nucleotides

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ATGAGGGAGGAGAGTGGCATGCCTCCACCGTGGGATGCTTCACTGCTGGAGAATGAGTTT
TTCCAAGTTTTAGATGACTTGGATAGCAAATTGGCTCAGGAACAGTCTGCAAGCTCAGTG
AATACCAGAACACCCCTCAACTATGGATCAAGAACACAGTTCCGGTCACTTTTATTCCAGT
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CAGAGCAAGAGTGGGTTTATACCACCAAGGCACCAGCAGAGTCCAAGAGAACTCCTTTA
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AGCGGAGAACAGAGGAGATTTGGACAAGGTCCTTTTTGGGGCCAAGAGAAAGGACATTCT
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CCTGTTTTCACAGACAGGGATCTCAAACCTTTACCTGATTTTCAAATCCCTTATCCCAG
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TCACCCAGAGTCTTTTCCAGGAAAGATACCTCCAAAATGTATATACCGCACACAGATAAA
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 TCCCTTCTTTTCATTAGGAACACAGAACACCACCATCTTTCCAGGACAGACCAAGGT
 TGTACCAGGAATTAAGTGAATAATGAAGATATTTCAAGAATTATTACAAATAACCAC
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 GGCTTATCTCCAAGTGAACCGCTTAATATCTATGAGGATGACCCAGTGGACTCAGATTGT
 GACACAGACACAACCACAGATGATGAATACTACCTGGATGAAAATGACAAAGAGTCAGAA
 CTG

- Restriction Sites:** Please inquire
- ACCN:** NM_001144765
- 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:** [NM_001144765.1](#), [NP_001138237.1](#)
- RefSeq Size:** 9850 bp
- RefSeq ORF:** 5406 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 (3) represents use of an alternate promoter and therefore differs in the 5' UTR and 5' coding region, compared to variant 1. These differences cause translation initiation at a downstream start codon and result in an isoform (3) with a shorter N-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.