

Product datasheet for SC127327

Strumpellin (WASHC5) (NM_014846) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Strumpellin (WASHC5) (NM_014846) Human Untagged Clone
Tag:	Tag Free
Symbol:	Strumpellin
Synonyms:	KIAA0196; RTSC; RTSC1; SPG8
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC127327 sequence for NM_014846 edited (data generated by NextGen Sequencing)

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 AGGGTTGCTGAAGCACATGTGCTAATTTTCATTTTGTGAGTTCAGAACAGTGTGTAA

Clone variation with respect to NM_014846.3

**5' Read Nucleotide
Sequence:**

>OriGene 5' read for NM_014846 unedited
 CGGCCGGAATTCGGCACGAGGTCGGGTCTGACCCGCTCCAGGTCGGGACTGCGGATA
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 CCGGCCCTGCGCGTGCGCCGTGGCGCGGCCGCTGACAGGTTCTTAAATGGAGGAGCCA
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 ATCATCCCCAGTGTCCAGGCACAGAGTAGTCGGTCCGCTCACAATGTTGGACTTTCTAG
 CCGAGAACACCTCTGTGGCCAAGCAATCCTAAGGATTGTTTCTGTGGTAATGCCATCA
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 CTGATCAACAGAAATATGGAGATATCATATTTGATTTTCAAGTATTTAAGGGTCCAGAAT
 TATGGGAAAGCAAACTGGATGCTAAGCCAGAGCTACAGGATTTAGATGAAGAATTCGTG
 AAAACAACATAGAAATTGTGACCAGATTTTATTTAGCATTTCAAAGTGTACATAAATATA
 TTGTAGACTTAAACAGATATCTAGATGATCTCAATGAAGGGGTTTATTTACAGCANACCT
 AGAAACTGTGCTTCTCAATGAGAATGGGAAACACTTCTATGTGAAGCACTGTACTTATAT
 GGAGTTA

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_014846 unedited <pre> AGTCTTGNACCGCGGCACGCAATCTAGTGTGAGTTTTTTTTTTTTTTTTTTTTTTTTT TTTACTAGTAATACTATTTTACTGAAAACTGGAGTTGCACAAATAGTCTTTAAACAT AAAATAAATGGATTTATACATAACAGTTACATTCAGCATTTAAAAAGGCAGTACAAA ATGTGTTCTGCTTTATCTGATATAAATTGCATGTAATACCATGATTTAAACAATATCAG TTATATTAATAATGCCATGAGATATATCTTACTCAAAACGTCTGATGTTTCCATAATA GACAGAAACAATGCAGTTGTATGAGCAACTGAGTTTCTTTTCATCTTCAAATTCATTTGT GATGGGGGGGAAAATCTAAGGACAATCCTTCCATTGAAAAAGTAGGAAAAACAGTTACAGC ACTGTTCTGAACTCATCAAAAATGAAACTAGGCACATGTGCTTCAGCAACCCTCCTGGGT AGCTTTGTGTACCGAACATAATCCTCCAGGAACAGAAGGGCACCCACAACATCTGCAGGA ATTTCAGGTATCTTCTGGCTGTACACTGCTCCACCGTCGAGCAGATAAACTGGCCAATC AGCGCCAGGAAGTCTCGGTGTACCGGGAATGGCTACTGCTTCACCAGAGTGAGCAGTCC CAGGACAAGTGGTGGCCAATCACCGGGTGGTGGTTTTTGGCAGACCATTCCCAGATT TTTGTTGCATTGAAGTTTTGGCCCTGACCCATCAAAAATAGAAAGTCTACCCCTGGAA AATAGGGTAACCCGCCCGCGGCTATGTATATCTTATTAAGGGGTCTGTGAATGCCAAC TTGCCCTCCAAATAATCCTGGGATTCCATATTAAGCGTGGTTATTCTTCTCTGGCGGT AAAGCATAGAAAGGGCCCTGATANTGCGCTCCACAGTCCGCCTAAGAGAACCTATCAGAA ATCTCCACACCACCTGCCTAGTTTTTATCCAACCCACAGAAAN </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_014846
Insert Size:	4090 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_014846.2, NP_055661.2</u>
RefSeq Size:	3925 bp
RefSeq ORF:	3480 bp
Locus ID:	9897
UniProt ID:	<u>Q12768</u>
Cytogenetics:	8q24.13

Gene Summary:

This gene encodes a 134 kDa protein named strumpellin that is predicted to have multiple transmembrane domains and a spectrin-repeat-containing domain. This ubiquitously expressed gene has its highest expression in skeletal muscle. The protein is named for Strumpell disease; a form of hereditary spastic paraplegia (HSP). Spastic paraplegias are a diverse group of disorders in which the autosomal dominant forms are characterized by progressive, lower extremity spasticity caused by axonal degeneration in the terminal portions of the longest descending and ascending corticospinal tracts. More than 30 loci (SPG1-33) have been implicated in hereditary spastic paraplegia diseases. [provided by RefSeq, Aug 2009]