

Product datasheet for **SC309175**

SNRNP200 (NM_014014) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: SNRNP200 (NM_014014) Human Untagged Clone
Tag: Tag Free
Symbol: SNRNP200
Synonyms: ASCC3L1; BRR2; HELIC2; RP33; U5-200KD
Vector: pCMV6 series
Fully Sequenced ORF: >NCBI ORF sequence for NM_014014, the custom clone sequence may differ by one or more nucleotides

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 GCCCACAACTACTCTGTACTTATGAGTGACGCTTACATGGGATGTGACCAGGAGTAC
 AAATTCAGCGTGGATGTGAAAGAAGCTGAGACAGACAGTGATTGAGATTGA

- Restriction Sites:** Please inquire
- ACCN:** NM_014014
- 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_014014.2](#), [NP_054733.2](#)

RefSeq Size:	7184 bp
RefSeq ORF:	6411 bp
Locus ID:	23020
UniProt ID:	O75643
Cytogenetics:	2q11.2
Domains:	DEAD, helicase_C, AAA, Sec63
Protein Pathways:	Spliceosome
Gene Summary:	<p>Pre-mRNA splicing is catalyzed by the spliceosome, a complex of specialized RNA and protein subunits that removes introns from a transcribed pre-mRNA segment. The spliceosome consists of small nuclear RNA proteins (snRNPs) U1, U2, U4, U5 and U6, together with approximately 80 conserved proteins. U5 snRNP contains nine specific proteins. This gene encodes one of the U5 snRNP-specific proteins. This protein belongs to the DEXH-box family of putative RNA helicases. It is a core component of U4/U6-U5 snRNPs and appears to catalyze an ATP-dependent unwinding of U4/U6 RNA duplexes. Mutations in this gene cause autosomal-dominant retinitis pigmentosa. Alternatively spliced transcript variants encoding different isoforms have been found, but the full-length nature of these variants has not been determined. [provided by RefSeq, Mar 2010]</p>