

## Product datasheet for **SR315572**

### UNC45B Human siRNA Oligo Duplex (Locus ID 146862)

#### Product data:

|                     |   |
|---------------------|---|
| Product Type:       | siRNA Oligo Duplexes  |
| Purity:             | HPLC purified   |
| Quality Control:    | Tested by ESI-MS  |
| Sequences:          | Available with shipment   |
| Stability:          | One year from date of shipment when stored at -20°C.  |
| # of transfections: | Approximately 330 transfections/2nmol in 24-well plate under optimized conditions (final conc. 10 nM).  |
| Note:               | Single siRNA duplex (10nmol) can be ordered.  |
| RefSeq:             | <a href="#">NM_001033576</a> , <a href="#">NM_001267052</a> , <a href="#">NM_001308281</a> , <a href="#">NM_173167</a>  |
| UniProt ID:         | <a href="#">Q8IWX7</a>  |
| Synonyms:           | CMYA4; CTRCT43; MFM11; SMUNC45; UNC-45B; UNC45  |
| Components:         | UNC45B (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 146862)<br>Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol<br>Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml   |
| Summary:            | This gene encodes a co-chaperone required for folding and accumulation of type II myosins. The protein consists of three tetratricopeptide repeat motifs at the N-terminus that form a complex with heat shock protein 90, a central region of unknown function that is conserved in all Unc-45 proteins, and a C-terminal Unc-45/Cro1/She4 domain. The protein is expressed at high levels in striated muscle, where its muscle myosin chaperone activity is dependent on heat shock protein 90 acting as a co-chaperone. A missense mutation in this gene has been associated with cataract development. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2015] |



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**Performance  
Guaranteed:**

OriGene guarantees that at least two of the three Dicer-Substrate duplexes in the kit will provide at least 70% or more knockdown of the target mRNA when used at 10 nM concentration by quantitative RT-PCR when the TYE-563 fluorescent transfection control duplex (cat# SR30002) indicates that >90% of the cells have been transfected and the HPRT positive control (cat# SR30003) provides 90% knockdown efficiency.

For non-conforming siRNA, requests for replacement product must be made within ninety (90) days from the date of delivery of the siRNA kit. To arrange for a free replacement with newly designed duplexes, please contact Technical Services at [techsupport@origene.com](mailto:techsupport@origene.com). Please provide your data indicating the transfection efficiency and measurement of gene expression knockdown compared to the scrambled siRNA control (quantitative RT-PCR data required).