

## Recombinant Human Syncoilin/SYNC

Catalog No: BP076

<b>Description</b>	Recombinant Human Syncoilin is produced by <i>E.coli</i> . The target gene encoding S168-P458 is expressed.
<b>Expression System</b>	<i>E. coli</i>
<b>Alternative name</b>	Syncoilin intermediate filament 1; Syncoilin-1; SYNC1
<b>Accession No.</b>	Q9H7C4
<b>Predicted Molecular Weight</b>	35kDa
<b>Apparent Molecular Weight</b>	SYNC appeared at 34kDa in a reducing SDS-PAGE gel
<b>Quality Control</b>	Purity: greater than 95% as determined by reducing SDS-PAGE. Endotoxin: less than 0.1 ng/μg (1 EU/μg) as determined by TAL test.
<b>Formulation</b>	100mM sodium phosphate, 300mM NaCl, 10% glycerol, pH 7.2
<b>Shipping</b>	The product is shipped on dry ice pack. Upon receipt, store it immediately at the temperature listed below.
<b>Storage</b>	Store at $\leq -70^{\circ}\text{C}$ , stable for 6 months after receipt. Store at $\leq -70^{\circ}\text{C}$ , stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
<b>Background</b>	Syncoilin (SYNC) is a muscle-specific intermediate filament protein that belongs to the intermediate filament family. The specific in vivo functions of syncoilin has not yet been determined, but it has been shown to be up-regulated at the sarcolemma in individuals with various forms of neuromuscular disease. Syncoilin is predicted to facilitate lateral force transmission during skeletal muscle contraction, while it does not form homofilaments nor heterofilaments with other IF proteins.

### SDS-PAGE

