

# Recombinant Human SPTAN1 protein, His-SUMO-tagged

**Cat. No.** SPTAN1-3524H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human SPTAN1 protein(Q13813)(1-580aa), fused to N-terminal His-SUMO tag, was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>ProteinLength</b>    | 1-580aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Form</b>             | <p>If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol.</p> <p>If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.</p>                                                                                                                                                                                                                                                                                                               |
| <b>Molecular Mass</b>   | 83.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>AA Sequence</b>      | MDPSGVKVLETAEDIQERRQQVLDTRYHRFKELSTLRRQKLEDSYRFQFFQRDAEEL<br>EKWIQEKLQIASDENYKDPTNLQGKLGKHQAFAEVQANSQAIVKLDGTGNLMISEG<br>HFASSETIRTRLMELHRQWELLLEKMKREKGKLLQAQKLVQYLRECEDVMDWINDKEA<br>IVTSEELGQDLEHVEVLQKKFEEFQTDMAAHEERVNEVNQFAAKLIQEQHPPEEELIKT<br>KQDEVNAAWQRLKGLALQRQGKLFQAAEVQRFNRDQVDETISWIKKEQQLMASDDF<br>GRDLASVQALLRKHEGLERDLAALEDKVKALCAEADRLQQSHPLSATQIQVKREELI<br>TNWEQIRTLAAERHARLNDYRLQRFLADFRDLTSWVTEMKALINADELASDVAGAE<br>ALLDRHQEHKGEIDAHEDSFKSADESGQALLAAGHYASDEVREKLTVLSEERAALLE<br>LWELRRQQYEQCMDLQLFYRDTEQVDNWMSKQEAFLNEDLGDSLDSVEALLKKH |

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EDFEKSLSAQEEKITALDEFATKLIQNNHYAMEDVATRRDALLSRRNALHERAMRRR  
AQLADSFHLQQFFR

**Purity** Greater than 90% as determined by SDS-PAGE.

**Storage** Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.

**Reconstitution** Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%.

## GENE INFORMATION

**Gene Name** SPTAN1 spectrin, alpha, non-erythrocytic 1 (alpha-fodrin) [ Homo sapiens ]

**Official Symbol** SPTAN1

**Synonyms** SPTAN1; spectrin, alpha, non-erythrocytic 1 (alpha-fodrin); spectrin alpha chain, brain; alpha-II spectrin; fodrin alpha chain; spectrin, non-erythroid alpha chain; NEAS; EIEE5; SPTA2; FLJ17738; FLJ44613;

**Gene ID** 6709

**mRNA Refseq** NM\_001130438

**Protein Refseq** NP\_001123910

**MIM** 182810

**UniProt ID** Q13813

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