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Datasheet for ABIN755547

**Sp3 Protein (AA 1-781) (His tag)**

## Overview

Quantity:	1 mg
Target:	Sp3
Protein Characteristics:	AA 1-781
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Sp3 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat SP3 Protein expressed in mammalian cells.
Sequence:	MTAPEKPVKQ EEMAALDVDS GGGGGGGGGH GEYLQQQQQH GNGAVAAAAA AQDTQPSPLA LLAATCSKIG PPSPGDDEEE AAAAAGAPAA AGATGDLASA QLGGAPNRWE VLSATPTTIK DEAGNLVQIP SAATSSGQYV LPLQNLQNNQ IFSVAPGSDS SNGTVSSVQY QVIPQIQSAD GQQVQIGFTG SSDNGGINQE SSQIQIIPGS NQTLASGTP SANIQNLIPQ TGQVQVQGVA IGGSSFPGQT QVVANVPLGL PGNITFPIN SVDLDSLGLS GSSQTMTAGI NADGHLINTG QAMDSSDNSE RTGERVSPDI NETNTDSDLF VPTSSSSQLP VTIDSTGILQ QNTNSLTTSS GQVHSSDLQG NYIQSPVSEE TQAQNIQVST AQPVVQHLQL QESQQPTSQA QIVQGITPQT IHGVQASGQN ISQQALQNLQ LQLNPGTFLI QAQTVTPSGQ VTWQTFQVQG VQNLQNLQIQ NTAAQITLT PVQTLTLGQV AAGGAFTSTP VSLSTGQLPN LQTVTVNSID SAGIQLHPGE NADSPADIRI KEEEPDPEEW QLSGDSTLNT NDLTHLRVQV VDEEGDQQHQ EGKRLRRVAC TCPNCKEGGG RGTNLGKKKQ HICHIPGCGK VYGKTSHLRA HLRWHSGERP FVCNWMYCGK

## Product Details

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RFTRSDELQR HRRTHTGEKK FVCPECSKRF MRSDHLAKHI KTHQNKKGIH SSSTVLASVE  
AARDDTLITA GGTTLILANI QQGSVSGIGT VNTSATSQD ILTNTEIPLQ LVTVSGNETM E

**Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

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### Characteristics:

#### Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

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### Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

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### Grade:

custom-made

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## Target Details

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### Target:

Sp3

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### Alternative Name:

SP3 ([Sp3 Products](#))

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### Background:

Transcription factor Sp3 (SPR-2),FUNCTION: Transcriptional factor that can act as an activator or repressor depending on isoform and/or post-translational modifications. Binds to GT and GC boxes promoter elements. Competes with SP1 for the GC-box promoters. Weak activator of transcription but can activate a number of genes involved in different processes such as cell-cycle regulation, hormone-induction and house-keeping. {ECO:0000269|PubMed:10391891, ECO:0000269|PubMed:11812829, ECO:0000269|PubMed:12419227, ECO:0000269|PubMed:12837748, ECO:0000269|PubMed:15247228, ECO:0000269|PubMed:15494207, ECO:0000269|PubMed:15554904,

## Target Details

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ECO:0000269|PubMed:16781829, ECO:0000269|PubMed:17548428,  
ECO:0000269|PubMed:18187045, ECO:0000269|PubMed:18617891,  
ECO:0000269|PubMed:9278495}.

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Molecular Weight: 81.9 kDa

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UniProt: [Q02447](#)

## Application Details

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Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months