Datasheet for ABIN7555288

# RSF1 Protein (AA 1-1441) (His tag)

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## Overview

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| Quantity: | 1 mg |
| Target: | RSF1 |
| Protein Characteristics: | AA 1-1441 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This RSF1 protein is labelled with His tag. |

## Product Details

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| Purpose: | Custom-made recombinant RSF1 Protein expressed in mammalian cells. |
| Sequence: | MATAAAAAAV MAPPGCPGSC PNFAVVCSFL ERYGPLLDLP ELPFPELERV LQAPPPDVGN GEVPKELVEL HLKLMRKIGK SVTADRWEKY LIKICQEFNS TWAWEMEKKG YLEMSVECKL ALLKYLCECQ FDDNLKFKNI INEEDADTMR LQPIGRDKDG LMYWYQLDQD HNVRMYIEEQ DDQDGSSWKC IVRNRNELAE TLALLKAQID PVLLKNSSQQ DNSSRESPSL EDEETKKEEE TPKQEEQKES EKMKSEEQPM DLENRSTANV LEETTVKKEK EDEKELVKLP VIVKLEKPLP ENEEKKIIKE ESDSFKENVK PIKVEVKECR ADPKDTKSSM EKPVAQEPER IEFGGNIKSS HEITEKSTEE TEKLKNDQQA KIPLKKREIK LSDDFDSPVK GPLCKSVTPT KEFLKDEIKQ EEETCKRIST ITALGHEGKQ LVNGEVSDER VAPNFKTEPI ETKFYETKEE SYSPSKDRNI ITEGNGTESL NSVITSMKTG ELEKETAPLR KDADSSISVL EIHSQKAQIE EPDPPEMETS LDSSEMAKDL SSKTALSSTE SCTMKGEEKS PKTKKDKRPP ILECLEKLEK SKKTFLDKDA QRLSPIPEEV PKSTLESEKP GSPEAAETSP PSNIIDHCEK LASEKEVVEC QSTSTVGGQS VKKVDLETLK EDSEFTKVEM DNLDNAQTSG IEEPSETKGS MQKSKFKYKL VPEEETTASE |

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| | NTEITSERQK EGIKLTIRIS SRKKKPDSPP KVLEPENKQE KTEKEEEKTN VGRTLRRSPR ISRPTAKVAE IRDQKADKKR GEGEDEVEEE STALQKTDKK EILKKSEKDT NSKVSKVKPK GKVRWTGSRT RGRWKYSSND ESEGSGSEKS SAASEEEEEK ESEEAILADD DEPCKKCGLP NHPELILLCD SCDSGYHTAC LRPPLMIIPD GEWFCPPCQH KLLCEKLEEQ LQDLDVALKK KERAERRKER LVYVGISIEN IIPPQEPDFS EDQEEKKKDS KKSKANLLER RSTRTRKCIS YRFDEFDEAI DEAIEDDIKE ADGGGVGRGK DISTITGHRG KDISTILDEE RKENKRPQRA AAARRKKRRR LNDLDSDSNL DEEESEDEFK ISDGSQDEFV VSDENPDESE EDPPSNDDSD TDFCSRRLRR HPSRPMRQSR RLRRKTPKKK YSDDDEEEES EENSRDSESD FSDDFSDDFV ETRRRRSRRN QKRQINYKED SESDGSQKSL RRGKEIRRVH KRRLSSSESE ESYLSKNSED DELAKESKRS VRKRGRSTDE YSEADEEEEE EEGKPSRKRL HRIETDEEES CDNAHGDANQ PARDSQPRVL PSEQESTKKP YRIESDEEED FENVGKVGSP LDYSLVDLPS TNGQSPGKAI ENLIGKPTEK SQTPKDNSTA SASLASNGTS GGQEAGAPEE EEDELLRVTD LVDYVCNSEQ L<br>**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.** |
| Specificity: | If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer. |
| Characteristics: | Key Benefits:<br>• Made to order protein - from design to production - by highly experienced protein experts.<br>• Protein expressed in mammalian cells and purified in one-step affinity chromatography<br>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.<br>• State-of-the-art algorithm used for plasmid design (Gene synthesis).<br><br>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.<br><br>If you are not interested in a full length protein, please contact us for individual protein fragments.<br><br>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. |
| Purity: | > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC) |
| Grade: | custom-made |

## Target Details

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| Target: | RSF1 |
| Alternative Name: | RSF1 (RSF1 Products) |
| Background: | Remodeling and spacing factor 1 (Rsf-1) (HBV pX-associated protein 8) (Hepatitis B virus X-associated protein) (p325 subunit of RSF chromatin-remodeling complex),FUNCTION: Regulatory subunit of the ATP-dependent RSF-1 and RSF-5 ISWI chromatin-remodeling complexes, which form ordered nucleosome arrays on chromatin and facilitate access to DNA during DNA-templated processes such as DNA replication, transcription, and repair (PubMed:12972596, PubMed:28801535). Binds to core histones together with SMARCA5, and is required for the assembly of regular nucleosome arrays by the RSF-5 ISWI chromatin-remodeling complex (PubMed:12972596). Directly stimulates the ATPase activity of SMARCA1 and SMARCA5 in the RSF-1 and RSF-5 ISWI chromatin-remodeling complexes, respectively (PubMed:28801535). The RSF-1 ISWI chromatin remodeling complex has a lower ATP hydrolysis rate than the RSF-5 ISWI chromatin-remodeling complex (PubMed:28801535). The complexes do not have the ability to slide mononucleosomes to the center of a DNA template (PubMed:28801535). Facilitates transcription of hepatitis B virus (HBV) genes by the pX transcription activator. In case of infection by HBV, together with pX, it represses TNF-alpha induced NF-kappa-B transcription activation. Represses transcription when artificially recruited to chromatin by fusion to a heterogeneous DNA binding domain (PubMed:11944984, PubMed:11788598). {ECO:0000269\|PubMed:11788598, ECO:0000269\|PubMed:11944984, ECO:0000269\|PubMed:12972596, ECO:0000269\|PubMed:28801535}. |
| Molecular Weight: | 163.8 kDa |
| UniProt: | Q96T23 |

## Application Details

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| Application Notes: | We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though. |
| Restrictions: | For Research Use only |

## Handling

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| Format: | Liquid |
| Buffer: | The buffer composition is at the discretion of the manufacturer. |
| Handling Advice: | Avoid repeated freeze-thaw cycles. |

## Handling

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| Storage: | -80 °C |
| Storage Comment: | Store at -80°C. |
| Expiry Date: | 12 months |