# Recombinant SNIP1 protein (His tag)

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| **Catalog Number** | 545508 |
| **Synonyms** | FHA domain-containing protein SNIP1 |
| **Species** | Human |
| **Expression System** | E. coli |
| **Accession** | Q8TAD8 |
| **Molecular Weight** | Predictes a molecular mass of 28.36 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 33 kDa band. |

## Product Information

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| **Sequence Region** | 168-396 |
| **Form** | Lyophilized powder |
| **Formulation** | Lyophilized from sterile PBS, pH 7.4 |
| **Purity** | >88%, by SDS-PAGE with Coomassie Brilliant Blue staining. |
| **Endotoxin** | Not tested. |
| **Activity** | Not tested. |
| **Stability** | Samples are stable for up to twelve months from date of receipt at -70℃ |
| **Protein Construction** | DNA encoding 168-396 aa (Q8TAD8) were fused with 6His tag. |

## Storage & Handling

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| **Reconstitution** | Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. |
| **Storage** | Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| **Shipping** | In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature.<br>Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise. |

## Description

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| **Description** | Recombinant Human Smad nuclear-interacting protein 1 (SNIP1) Fragment (aa 168-396) is a high-purity protein designed for functional studies. This fragment fully encompasses the FHA domain, making it an ideal tool for investigating domain-specific interactions in pre-mRNA splicing, NF-kappa-B signaling regulation, and miRNA biogenesis pathways.<br>Smad nuclear-interacting protein 1 (SNIP1) is a nuclear protein essential for pre-mRNA splicing as a component of the spliceosome, particularly in the minor spliceosome for U12-type intron processing. It functions as a negative regulator of NF-kappa-B signaling by competing with RELA for CREBBP/EP300 binding and plays roles in microRNA biogenesis and cyclin-D1 mRNA stability through the SNARP complex. The protein's nuclear localization supports its involvement in transcriptional and post-transcriptional regulatory mechanisms. |