# Recombinant NSA2 protein (His tag)

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| **Catalog Number** | 550332 |
| **Synonyms** | Hairy cell leukemia protein 1; TGF-beta-inducible nuclear protein 1 |
| **Species** | Human |
| **Expression System** | E. coli |
| **Accession** | O95478 |
| **Molecular Weight** | Predictes a molecular mass of 31.72 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 32 kDa band. |

## Product Information

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| **Sequence Region** | 1-260 |
| **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 1-260 aa (O95478) 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 Ribosome Biogenesis Protein NSA2 Homolog (Hairy Cell Leukemia Protein 1) Fragment (residues 1-260) is a high-quality, soluble protein designed for structural and functional studies. This fragment, derived from human NSA2, represents a stable and well-folded domain ideal for investigating 60S ribosomal subunit assembly and quality control mechanisms.<br>The full-length NSA2 protein, also known as Hairy Cell Leukemia Protein 1 or TGF-beta-inducible Nuclear Protein 1, plays a critical role in ribosome biogenesis by contributing to the formation of the 60S ribosomal subunit. It is implicated in quality control processes during the maturation of pre-60S ribosomal particles. NSA2 is localized to the nucleolus within the nucleus, where ribosomal assembly occurs, highlighting its importance in fundamental cellular processes. This recombinant fragment enables focused investigation of these essential functions. |