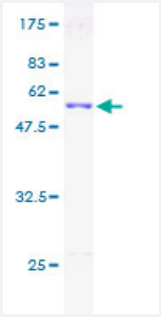
Full-Length

# SNURF (Human) Recombinant Protein (P01)

Catalog # H00006638-P01 Size 25 ug, 10 ug

## Applications




## Specification

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| **Product Description** | Human SNURF full-length ORF ( AAH24777, 1 a.a. - 240 a.a.) recombinant protein with GST-tag at N-terminal. |
| **Sequence** | MTVGKSSKMLQHIDYRMRCILQDGRIFIGTFKAFDKHMNLILCDCDEFRKIKPKNAKQPEREEKRVL GLVLLRGENLVSMTVEGPPPKDTGIARVPLAGAAGGPGVGRAAGRGVPAGVPIPQAPAGLAGPV RGVGGPSQQVMTPQGRGTVAAAAVAATASIAGAPTQYPPGRGTPPPPVGRATPPPGIMAPPPG MRPPMGPPIGLPPARGTPIGMPPPGMRPPPPGIRGPPPPGMRPPRP |
| **Host** | Wheat Germ (in vitro) |
| **Theoretical MW (kDa)** | 52.14 |
| **Interspecies Antigen Sequence** | Mouse (100); Rat (100) |
| **Preparation Method** | *in vitro* wheat germ expression system |
| **Purification** | Glutathione Sepharose 4 Fast Flow |
| **Quality Control Testing** | 12.5% SDS-PAGE Stained with Coomassie Blue. |
| **Storage Buffer** | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |
| **Storage Instruction** | Store at -80°C. Aliquot to avoid repeated freezing and thawing. |

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| **Note** | Best use within three months from the date of receipt of this protein. |

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — SNRPN

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|---|---|
| **Entrez GeneID** | 6638 |
| **GeneBank Accession#** | BC024777 |
| **Protein Accession#** | AAH24777 |
| **Gene Name** | SNRPN |
| **Gene Alias** | DKFZp686C0927, DKFZp686M12165, DKFZp761I1912, DKFZp762N022, FLJ33569, FLJ36996, FLJ39265, HCERN3, MGC29886, PWCR, RT-LI, SM-D, SMN, SNRNP-N, SNURF-SNRPN |
| **Gene Description** | small nuclear ribonucleoprotein polypeptide N |
| **Omim ID** | 176270 182279 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | The protein encoded by this gene is one polypeptide of a small nuclear ribonucleoprotein complex and belongs to the snRNP SMB/SMN family. The protein plays a role in pre-mRNA processing, possibly tissue-specific alternative splicing events. Although individual snRNPs are believed to recognize specific nucleic acid sequences through RNA-RNA base pairing, the specific role of this family member is unknown. The protein arises from a bicistronic transcript that also encodes a protein identified as the SNRPN upstream reading frame (SNURF). Multiple transcription initiation sites have been identified and extensive alternative splicing occurs in the 5' untranslated region. Additional splice variants have been described but sequences for the complete transcripts have not been determined. The 5' UTR of this gene has been identified as an imprinting center. Alternative splicing or deletion caused by a translocation event in this paternally-expressed region is responsible for Angelman syndrome or Prader-Willi syndrome due to parental imprint switch failure. [provided by RefSeq |
| **Other Designations** | OTTHUMP00000159463\|SM protein N\|tissue-specific splicing protein |

## Disease

- Autistic Disorder
- Genetic Predisposition to Disease