# Recombinant PR38B protein (His tag)

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| **Catalog Number** | 550382 |
| **Synonyms** | Sarcoma antigen NY-SAR-27 |
| **Species** | Human |
| **Expression System** | E. coli |
| **Accession** | Q5VTL8 |
| **Molecular Weight** | Predictes a molecular mass of 23.51 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 24 kDa band. |

## Product Information

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| **Sequence Region** | 45-235 |
| **Form** | Lyophilized powder |
| **Formulation** | Lyophilized from sterile PBS, pH 7.4 |
| **Purity** | >90%, 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 45-235 aa (Q5VTL8) 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 Pre-mRNA-splicing factor 38B (Sarcoma antigen NY-SAR-27) fragment (amino acids 45-235) is a high-quality protein product designed for structural and biochemical studies. This 191-amino acid fragment, derived from the human PRPF38B gene, represents a stable and soluble unit ideal for investigating splicing mechanisms and protein interactions.<br>Pre-mRNA-splicing factor 38B, also known as Sarcoma antigen NY-SAR-27, is a nuclear protein that plays a role in pre-mRNA splicing—a critical process in gene expression where introns are removed from precursor mRNA to form mature mRNA. The protein's nuclear localization supports its function in the spliceosome complex, where it contributes to the accurate processing of RNA transcripts. This recombinant fragment provides researchers with a reliable tool to explore the molecular mechanisms of splicing and its implications in cellular function and disease. |