# Recombinant Human Transcriptional activator protein Pur-alpha (PURA)

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| **Product Code** | CSB-YP019083HU |
| **Storage** | Store at -20°C, for extended storage, conserve at -20°C or -80°C. |
| **Uniprot No.** | Q00577 |
| **Product Type** | Recombinant Protein |
| **Immunogen Species** | Homo sapiens (Human) |
| **Purity** | >85% (SDS-PAGE) |
| **Sequence** | MADRDSGSEQ GGAALGSGGS LGHPGSGSGS GGGGGGGGGG GGSGGGGGGA PGGLQHETQE LASKRVDIQN KRFYLDVKQN AKGRFLKIAE VGAGGNKSRL TLSMSVAVEF RDYLGDFIEH YAQLGPSQPP DLAQAQDEPR RALKSEFLVR ENRKYYMDLK ENQRGRFLRI RQTVNRGPGL GSTQGQTIAL PAQGLIEFRD ALAKLIDDYG VEEEPAELPE GTSLTVDNKR FFFDVGSNKY GVFMRVSEVK PTYRNSITVP YKVWAKFGHT FCKYSEEMKK IQEKQREKRA ACEQLHQQQQ QQQEETAAAT LLLQGEEEGE ED |
| **Source** | Yeast |
| **Target Names** | PURA |
| **Protein Names** | Recommended name: Transcriptional activator protein Pur-alpha Alternative name(s): Purine-rich single-stranded DNA-binding protein alpha |
| **Expression Region** | 1-322 |
| **Notes** | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| **Tag Info** | Tag type will be determined during the manufacturing process. |
| **Protein Length** | Full length protein |
| **Target Details** | This gene product is a sequence-specific, single-stranded DNA-binding protein. It binds preferentially to the single strand of the purine-rich element termed PUR, which is present at origins of replication and in gene flanking regions in a variety of eukaryotes from yeasts through humans. Thus, it is implicated in the control of both DNA replication and transcription. Deletion of this gene has been associated with myelodysplastic syndrome and acute myelogenous leukemia. |
| **Reconstitution** | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference. |
| **Shelf Life** | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life |

of lyophilized form is 12 months at -20°C/-80°C.