

## Small Nuclear Ribonucleoprotein Polypeptide D3 Human Recombinant

|                                   |                                                                                                                                                                                                                                                                                              |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Item Number                       | rAP-4830                                                                                                                                                                                                                                                                                     |
| Synonyms                          | Small nuclear ribonucleoprotein D3 polypeptide 18kDa, Sm-D3, snRNP core protein D3.                                                                                                                                                                                                          |
| Description                       | SNRPD3 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 146 amino acids (1-126) and having a molecular mass of 16.0 kDa. The SNRPD3 is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques. |
| Uniprot Accession Number          | P62318                                                                                                                                                                                                                                                                                       |
| Amino Acid Sequence               | MGSSHHHHHH SSGLVPRGSH MSIGVPIKVL HEAEGHIVTC ETNTGEVYRG KLIEAEDNMN<br>CQMSNITVTY RDGRVAQLEQ VYIRGSKIRF LILPDMLKNA PMLKSMKNKN QGSGAGRGKA<br>AILKAQVAAR GRGRGMGRGN IFQKRR                                                                                                                       |
| Source                            | E.coli.                                                                                                                                                                                                                                                                                      |
| Physical Appearance and Stability | Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.                    |
| Formulation and Purity            | The SNRPD3 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.5M NaCl, 2mM DTT, 0.1mM PMSF and 40% glycerol. Greater than 85% as determined by SDS-PAGE.                                                                                                                         |
| Application                       |                                                                                                                                                                                                                                                                                              |
| Solubility                        |                                                                                                                                                                                                                                                                                              |
| Biological Activity               |                                                                                                                                                                                                                                                                                              |
| Shipping Format and Condition     | Lyophilized powder at room temperature.                                                                                                                                                                                                                                                      |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**