

## Signal Transducing Adaptor Family Member 1 Human Recombinant

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| <b>Item Number</b>                       | rAP-3794  |
| <b>Synonyms</b>                          | Signal-transducing adaptor protein 1, STAP-1, BCR downstream-signaling protein 1, Docking protein BRDG1, Stem cell adaptor protein 1, STAP1, BRDG1.   |
| <b>Description</b>                       | STAP1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 319 amino acids (1-295 a.a) and having a molecular mass of 36.8kDa. STAP1 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.   |
| <b>Uniprot Accesion Number</b>           | Q9ULZ2  |
| <b>Amino Acid Sequence</b>               | MGSSHHHHHH SSGLVPRGSH MGSHMMMAKKP PKPAPRRIFQ ERLKITALPL YFEGFLLIKR SGYREYE-HYW TELRGTTLFF YTDDKSIYV DKLDIVDLTC LTEQNSTEKN CAKFTLVLPK EEVQLKTENT ESGEEWRGFI LTVTELSVPQ NVSLLPGQVI KLHEVLEREK KRRIETEQST SVEKEKEPTE DYVDVLPNMP ACFYTVSRKE ATEMLQKNPS LGNMILRPGS DSRNYSITIR QEIDIPRIKH YKVMSVGQNY TIELEKPVTL PNLFVIDYF VKETRGNLRP FICSTDENTG QEPMSEGRSE KLKKNPHIA. |
| <b>Source</b>                            | Escherichia Coli.   |
| <b>Physical Appearance and Stability</b> | 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.   |
| <b>Formulation and Purity</b>            | STAP1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 30% glycerol, 0.1M NaCl and 1mM DTT. Greater than 95.0% as determined by SDS-PAGE.   |
| <b>Application</b>                       |   |
| <b>Solubility</b>                        |   |
| <b>Biological Activity</b>               |   |
| <b>Shipping Format and Condition</b>     | 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 end users! This product is sold for **Research Use Only**