

Chaperone SURA E.Coli Recombinant

Item Number	rAP-1217
Synonyms	Rotamase surA, Survival protein A.
Description	SURA E.Coli Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 429 amino acids (21-428 a.a.) and having a molecular weight of 47.3kDa. The SURA is fused to 20 a.a His-Tag at N-terminus and purified by proprietary chromatographic techniques.
Uniprot Accession Number	P0ABZ6
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MAPQVVDKVA AVVNNGVVLE SDVDGLMQSV KLNAAQARQQ LPDDATLRHQ IMERLIMDQI ILQMGQKMGV KISDEQLDQA IANIAKQNNM TLDQMRSRLA YD- GLNYNTYR NQIRKEMIIS EVRNNEVRRR ITILPQEVES LAQQVGNQND ASTELNLSHI LIPLPENPTS DQVNEAESQA RAIVDQARNG ADFGKLAIAH SADQQALNGG QMGWGRIQEL PGIFAQALST AKKG- DIVGPI RSGVGFIHLK VNDLRGESKN ISVTEVHARH ILLKPSPIMT DEQARVKLEQ IAADIKSGKT TFAAAAKEFS QDPGSANQGG DLGWATPDIF DPAFRDALTR LKKGQMSAPV HSSFGWHLIE LLDTRNVDKT DAAQKDRAIR MLMNRKFSEE AASWMQEQRA SAYVKILSN.
Source	Escherichia 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 SURA 1mg/ml protein solution contains 20mM Tris-HCl, pH-8, and 10% glycerol. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	Specific activity is > 450 nmoles/min/ug, and is defined as the amount of enzyme that cleaves 1umole of suc-AAFP-pNA per minute at 25C in Tris-Hcl pH8.0 using chymotrypsin.
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**