

E.Coli SURA Recombinant Protein



RPPB2300

Product Information Protein Information

Product SKU:

RPPB2300

Accession:

P0ABZ6

Host:

Escherichia Coli.

Protein 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.

Appearance:

Sterile filtered colorless solution.

Synonyms:

Rotamase surA, Survival protein A.

Formulation:

The SURA 1mg/ml protein solution contains 20mM Tris-HCl, pH-8, and 10% glycerol.

Purity:

Greater than 95.0% as determined by SDS-PAGE.

Stability:

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.

Amino Acid Sequence:

MGSSHHHHHH SGLVPRGSH MAPQVVDKVA AVVNNGVVLE SDVDGLMQSV KLNAAQARQQ
LPDDATLRHQ IMERLIMDQI ILQMGQKMGV KISDEQLDQA IANIAKQNNM TLDQMRSRLA YDGLNYNTYR
NQIRKEMIIS EVRNNEVRRR ITILPQEVES LAQQVGNQND ASTELNLSHI LIPLPENPTS DQVNEAESQA
RAIVDQARNG ADFGKLAIAH SADQQALNGG QMGWGRIQEL PGIFAQALST AKKGDIVGPI RSGVGFHILK
VNDLRGESKN ISVTEVHARH ILLKPSPIMT DEQARVKLEQ IAADIKSGKT TFAAAAKEFS QDPGSANQGG
DLGWATPDIF DPAFRDALTR LNKQMSAPV HSSFGWHLIE LLDTRNVDKT DAAQKDRAYR MLMNRKFSEE
AASWMQEQRSA SAYVKILSN.

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.