

RPPB1914

Product Information Protein Information

Product SKU:

RPPB1914

Accession:

P08659

Host:

Escherichia Coli.

Protein description:

Luciferase produced in E.Coli is a single, non-glycosylated polypeptide chain containing 571 amino acids (1-550 a.a.) and having a molecular mass of 62.9kDa. Luciferase is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Appearance:

Sterile filtered colorless solution.

Synonyms:

Luciferase-like monooxygenase, LUC, EC 1.13.12.7.

Formulation:

The Luciferase protein solution (1mg/ml) contains 20mM Tris-HCl buffer (pH-8), 1mM DTT, and 10% glycerol.

Purity:

Greater than 90.0% 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 SSSLVPRGSH MMEDAKNIKK GPAPFYPLED GTAGEQLHKA MKRYALVPGT IAFTDAHIEV
DITYAEYFEM SVRLAEAMKR YGLNTNHRIV VCSNSLQFF MPVLGALFIG VAVAPANDIY NERELLNSMG
ISQPTVVFVS KKGLQKILNV QKKLPIIQKI IIMDSKTDYQ GFQSMYTFVT SHLPPGFNEY DFPESFDRD
KTIALIMNSS GSTGLPKGVA LPHRTACVRF SHARDPIFGN QIIPDTAILS VVPFHHGFGM FTTLYLICG
FRVLMYRFE EELFLRSLOD YKIQSALLVP TLFSFFAKST LIDKYDLSNL HEIASGGAPL SKEVGEAVAK
RFHLPGIRQG YGLTETTSAL LITPEGDDKP GAVGKVVFF EAKVVDLDTG KTLGVNQRGE LCVRGPIMMS
GYVNNPEATN ALIDKDGWLH SGDIAYWDED EHFIVDRLK SLIKYKGYQV APAELESILL QHPNIFDAGV
AGLPDDDDAGE LPAAVVLEH GKTMTKEIV DYVASQVTTA KKLRRGGVVFV DEVPKGLTGK LDARKIREIL
IKAKKGGKIA V.