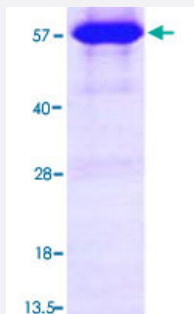


Full-Length

Luciferase (Firefly) Recombinant Protein

Catalog # P4995 Size 100 ug

Applications



Specification

Product Description

Firefly Luciferase (BAF48390, 1 a.a. - 550 a.a.) full-length recombinant protein with His tag expressed in *Escherichia coli*.

Sequence

MGSSHHHHHSSGLVPRGSHMMEDAKNIKKGPAPFYPLEDGTAGEQLHKAMKRYALVPGTIAFT
DAHIEVDITYAEYFEMSVRLAEAMKRYGLNTNHRIVVCSNSLQFFMPVLGALFIGVAVAPANDYN
ERELLNSMGISQPTVVVFSKKGLQKILNVQKKLPQQKIIIMDSKTDYQGFQSMYFTVSHLPPGFNEY
DFVPESFDRDKTIALIMNSSGSTGLPKGVALPHRTACVRFSHARDPIFGNQIIPDTAILSVVPFHHGF
GMFTTLGYLICGFRVVLMYRFEEELFLRSLQDYKIQSALLVPTLFSFFAKSTLIDKYDLSNLHEIASG
GAPLSKEVGEAVAKRFHLPGIRQGYGLTETTSAILITPEGDDKPGAVGKVVPPFEAKVVDLDTGKT
LGVNQRGELCVRGPMIMSGYVNNPEATNALIDKDGWLHSGDIAWDEDEHFFVDRLKSLIKYKGY
QVAPAELESILLQHPNIFDAGVAGLPDDDAGELPAAVVVLEHGKTMTEKEMDVASQVTTAKKLR
GGVVFVDEVPKGLTGKLDARKIREILKAKKGGKIAV

Host

Escherichia coli

Theoretical MW (kDa)

62.9

Form

Liquid

Preparation Method

Escherichia coli expression system

Purification

Conventional Chromatography

Concentration

1 mg/mL

Purity	> 90% by SDS-PAGE
Quality Control Testing	Loading 3 ug protein in 15% SDS-PAGE
Storage Buffer	In 20 mM Tris-HCl buffer, pH 8.0 (1 mM DTT, 10% glycerol).
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE