

Dnak(385-546),Substrate binding domain, Recombinant, E.coli

Cat.NO.: TP01904

3th Edition

Synonyms:Chaperone protein dnaK, HSP70, groP, grpF, seg

Description:DNAK, originally identified for its DNA replication by bacteriophage ϕ in E. coli is the bacterial hsp70 chaperone. The protein coding region of the substrate binding domain of DNAK (amino acids 385-546) was amplified by PCR and cloned into an E. coli expression vector.

Form:Liquid. In 25 mM Tris-HCl buffer (pH 7.5) containing 1 mM EDTA,2 mM β -mercaptoethanol

Molecular Weight:17.7kDa (163aa)

Sequences:

MDVKDVLLLDVTPLSLGIETMGGVMTTLIAKNTTIPTKHSQVFSTAEDNQSAVTIHVLQGERKRAADNKSLGQFNLD
GINPAPRGMPQIEVTFDIDADGILHVSADKNSGKEQKITIKASSGLNEDEIQKMVRDAEANAADRKFEELVQTRN
QGDHLLHST

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.