

HSP27 Human, His

Heat Shock Protein 27 Human Recombinant, His Tag
RCP1070

Product Overview

Name HSP27 Human, His

Description

Heat Shock Protein 27 Human Recombinant, His Tag

Accession (Primary) [P04792](#)

Synonyms

HSPB1, CMT2F, HMN2B, HSP27, HSP28, HSP25, Heat shock protein beta-1, Heat shock 27 kDa protein, Stress-responsive protein 27, SRP27, HS.76067, DKFZp586P1322.

Introduction

HSP27 or Estrogen-Regulated 24K protein is a part of the mammalian small heat shock protein family. The protein is expressed constitutively in many tissues and its expression is increased to high levels after different types of stress including high temperatures, toxic metals, drugs and oxidants. Furthermore, Hsp27 is phosphorylated in vivo on three phosphorylation sites (Ser15, Ser78 and Ser82) by protein kinases including MAPKAP kinase 2 and the stress-activated protein kinase SAPK2 (p38).

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

The HSP27 protein solution (1mg/ml) contains 20mM Tris-HCl (pH8.0), 10% glycerol and 1mM DTT.

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.

Purity

Greater than 90.0% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MGS MTERRVP FLLRSPSWE PFRDWYPAHS RLFDQAFGVP RLPDEWSQWF
SAAGWPGYVR PLPAATAEGP AAVTLAAPAF SRALNRQLSS GVSEIRQTAD RWRVSLDVNH FAPEELTVKT
KEGVVEITGK HEERQDEHGY ISRCFTRKYT LPPGVDPTLV SSSLSPGTL TVEAPLPKAV TQSAEITIPV

TFEARAQIGG PEAGKSEQSG AK.

Precautions

HSP27 Human, His is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: ([P04792](#))
