
Product Data Sheet

Product Name: HSPA6 Human
 Cat. No.: GP25108
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	HSP70B; Heat shock 70 kDa protein 6; Heat shock 70 kDa protein B'; HSPA6.		
Amino Acid Sequence	<p>MGSSHHHHHH SGLVPRGSH MQAPRELAVG IDLGTTYSCV GVFQQGRVEI LANDQGNRTT PSYVAFTDTE RLVGDAAKSQ AALNPHNTVF DAKRLIGRKF ADTTVQSDMK HWPFRVVSEG GKPKVRVCYR GEDKTFYPEE ISSMVLSKMK ETAEAYLGQP VKHAVITVPA YFNDSQRQAT KDAGAIAGLN VLRIINEPTA AAIAYGLDRR GAGERNVLIF DLGGGTFDVS VLSIDAGVFE VKATAGDTHL GGEDFDNRLV NHFMEEFRRK HGKDLSGNKR ALRRLRTACE RAKRTLSSST QATLEIDSLF EGVDFYTSIT RARFEELCSD LFRSTLEPVE KALRDAKLDK AQIHDVVLVG GSTRIKPVQK LLQDFFNGKE LNKSINPDEA VAYGAAVQAA VLMGDKCEKV QDLLLLDVAP LSLGLETAGG VMTTLIQRNA TIPTKQTQTFTTYSNQPVG FIQVYEGERA MTKDNLLGR FELSGIPPAP RGVPQIEVTF DIDANGILSV TATDRSTGKA NKITITNDKG RLSKEEVERM VHEAEQYKAE DEAQDRVAA KNSLEAHVFH VKGSLQEESL RDKIPEEDRR KMQDKCREVL AWLEHNQLAE KEEYEHQKRE LEQICRPIFS RLYGGPGVPG GSSCGTQARQ GDPSTGPIIE EVD.</p>		
Formulation	The HSPA6 protein solution contains 20mM Tris-HCl, pH-8, 100mM NaCl & 10% Glycerol.		

Introduction

HSPA6 is a distinctive member of the human Hsp70 chaperone that takes part in cellular processes such as protein trafficking, folding, and prevention of aggregation. HSPA6 is strictly stress-inducible, having little or no basal expression levels in most cells. HSPA6 and HSP72 are involved in cell survival of proteotoxic stress.

Stability

Caution: Product has not been fully validated for medical applications. For research use only.

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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.

Background

Recombinant Human HSPA6 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 663 amino acids (1-643 a.a) and having a molecular mass of 73.2kDa. HSPA6 human recombinant is fused to a 20 amino acid His Tag at N-terminus and purified by conventional chromatography techniques.

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