

Product Datasheet

HSP70 Protein (orb1822408)

Description

Active Human Recombinant HSP70 Protein

Reactivity

Human

Tested Applications

ATPase Activity Assay, ELISA, FA, SDS-PAGE, WB

Target

HSP70

Preservatives

50mM Tris/HCl, pH 7.5, 0.15M NaCl and 10% glycerol

Concentration

Lot/batch specific. See included datasheet.

Storage

-20°C

Tag

His tag

Note

For research use only

Application notes

This product has been certified > 90% pure using SDS-PAGE analysis. The protein has ATPase activity at the time of manufacture of 3.3µM phosphate liberated/hr/µg protein in a 200µl reaction at 37°C (pH7.5) in the presence of 20ul of 1mM ATP using a Malachite Green assay.

Protein Sequence

MAKAAAIGIDLGTTYSCVGVFQHGKVEIANDQGNRTTPSYVAFTDTERLIGDAA
 KNQVALNPQNTVFDKRLIGRKFQDPVQSDMKHWPQVINDGDKPKVQVSYK
 GETKAFYP EEISSMVLTKMKEIAEAYLGYPVNAVITVPAYFNDSQRQATKDAGVI
 AGLNVLRIINEPTAAAIAYGLDRTGKGERNVLIFDLGGGTFDVSILTIDDGIFEVKA
 TAGDTHLGGEDFDNRLVNHVVEEFKRKHKKDISQNKRAVRRRLRTACERAKRTLS
 SSTQASLEIDSLFEGIDFYTSITRARFEELCSDLFRSTLEPVEKALRDAKLDKAIH
 DLVLVGGSTRIPKVQKLLQDFFNGRDLNKSINPDEAVAYGAAVQAAILMGDKSE
 NVQDLLLDVAPLSLGLLETAGGVM TALIKRNSTIPTKQTQIFTTYSDNQPGVLIQV
 YEGERAMTKDNNLLGRFELSGIPPAPRGVPQIEVTFDIDANGILNVTATDKSTGKA
 NKITITNDKGRLSKEEIERMVQEA EKYKA EDEVQRERVS AKNALESYAFNMKSAV
 EDEGLKKGISEADKKKVLDKCQEVISWLDANTLAEKDEFEHKRKELEQVCNPIIS
 GLYQGAGGPGPGGFGAQQPKGGSGSGPTIEEVD

Purity

> 90%

Source

Recombinant

MW

~70 kDa

Uniprot ID
P0DMV9, P0DMV8
Expiration Date

6 months from date of receipt.