

A. thaliana HSP17 Recombinant Protein

PX-P1065-10

DESCRIPTION

Recombinant human HSP17, also known as Heat Shock 17.4 kDa class I heat shock protein. Heat shock proteins (HSP) are a family of proteins that are produced by cells in reaction to exposure to stressful environment. They can be expressed during exposure heat shock, to cold, UV light, and during wound healing or tissue remodeling. A lot of members from this group perform chaperone function by stabilizing new proteins to ensure correct folding or by helping to refold proteins that were damaged by the cell stress. This increase in expression is transcriptionally regulated.

OVERVIEW

SIZE	10 ug
ORIGIN SPECIES	A. thaliana
FRAGMENT	Full
PROTEIN DELIVERED WITH TAG	Yes
MOLECULAR WEIGHT WITH TAG IF ANY	19,11 kDa
DELIVERY CONDITION	Dry Ice

PRODUCT INFORMATION

EXPRESSION SYSTEM	Prokaryotic expression
HOST	E.coli
PURITY	>95%
PROTEIN ACCESSION	NP_190209.1
FORM	liquid
BUFFER	PBS, imidazole 250mM, Urea 4M, pH 8.0
STABILITY & STORAGE	4°C for short term (1 week), -20°C or -80°C for long term (avoid freezing/thawing cycles; addition of 20-40% glycerol improves cryoprotection)

MORE INFO

GENE ID	823768
SWISSPROTID	P19036
UNIPROT ID	P19036
UNIPROT LINK	http://www.uniprot.org/uniprot/P19036
NCBI GENE ALIASES	ARABIDOPSIS THALIANA HEAT SHOCK PROTEIN 17.4, heat shock protein 17.4, SMALL HEAT-SHOCK PROTEIN 17.4, ATHSP17.4
SYNONYMS	HSP17, heat shock protein 17.4, 17.4 kDa class I heat shock protein, 17.4 kDa heat shock protein 1, AtHsp17.4A

PROTEIN SEQUENCE

MAHNHRHKHKLPRAMSLVPSFFGGRRTNVFDPFSLDVWDPFEGFLTPGLTNAPAKDVAAFTNAKVDWRETPEAHVFKADV
PGLKKKEEVKVEVEDGNILQISGERSSENEKSDTWHRVERSSGKFMRRFRLPENAKVEEVKASMENGVLSTVTPKVQESK
PEVKSVDISG

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