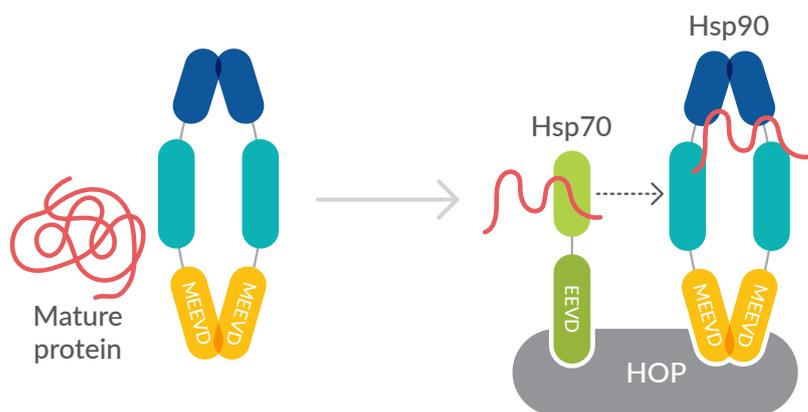


Heat Shock Proteins

Heat shock proteins (Hsps) play a central role in cellular homeostasis, facilitating protein synthesis and folding throughout the cell as well as participating in protein trafficking, protein degradation, and the regulation of various kinases and transcription factors. To enable this area of research, Cayman offers a selection of active, recombinant Hsps, co-chaperones, and additional organizing proteins as tools for research in cellular stress and signaling. Antibodies and inhibitors to many of the major Hsps are also available.



Peptide loading in Hsp90 chaperone cycle.

Discover Articles on Hsps

Molecular Chaperones in Control of the Heat Shock Response

www.caymanchem.com/chaperones

The HDAC6-Hsp90 Connection

www.caymanchem.com/HDAC6-Hsp90

Proteins (Available in Bulk Quantities)

Item No.	Product Name	Source	Purity
22730	GRP78 (human recombinant)*	N-terminal His-tagged GRP78 (full length) purified from <i>E. coli</i>	≥85%
22738	Hsp60 (human recombinant)*	N-terminal His-tagged Hsp60 (full length) purified from <i>E. coli</i>	≥90%
22739	Hsp70 (human recombinant)*	N-terminal His-tagged Hsp70 (full length) purified from <i>E. coli</i>	≥90%
23002	Hsp70 (human recombinant, baculovirus expressed)*	N-terminal His-tagged Hsp70 (full length) purified from insect cells	≥75%
22734	Hsp90α (human recombinant)*	N-terminal His-tagged Hsp90α (full length) purified from <i>E. coli</i>	≥90%
22735	Hsp90β (human recombinant)*	N-terminal His-tagged Hsp90β (full length) purified from <i>E. coli</i>	≥90%
25107	Citrullinated GRP78 (human recombinant)	N-terminal His-tagged human GRP78 purified from <i>E. coli</i> , citrullinated by PAD2	≥90%
25108	Citrullinated Hsp70 (human recombinant)	N-terminal His-tagged human Hsp70 purified from <i>E. coli</i> , citrullinated by PAD2	batch specific
22731	HO-1 (human recombinant)	C-terminal His-tagged HO-1 (amino acids 1-265) expressed in <i>E. coli</i>	≥90%
22732	HO-2 (human recombinant)	N-terminal His-tagged HO-2 (amino acids 2-264) purified from <i>E. coli</i>	≥90%
22733	HOP (human recombinant)	N-terminal His-tagged HOP (full length) purified from <i>E. coli</i>	≥95%
23405	Hsp10 (human recombinant)	N-terminal His-tagged Hsp10 (full length) purified from <i>E. coli</i>	≥90%
22736	Hsp27 (human recombinant)	N-terminal His-tagged Hsp27 (full length) purified from <i>E. coli</i>	≥90%
23406	Hsp40 (human recombinant)	N-terminal His-tagged Hsp40 (full length) purified from <i>E. coli</i>	≥90%
22737	Hsc70 (human recombinant)	N-terminal His-tagged Hsc70 (full length) purified from <i>E. coli</i>	≥90%

*ATPase activity confirmed by ADP detection assay

Bulk & Custom Orders Available.
Email us at sales@caymanchem.com

Antibodies

Item No.	Product Name	Host	Species Reactivity	Applications
25690	GRP78 Monoclonal Antibody (Clone 7D8)	Mouse	(+) Human, Mouse, Rat	ELISA, IHC, WB
25693	Hsp60 (HspD1) Monoclonal Antibody (Clone 10C3)	Mouse	(+) Human, Mouse, Rat	ELISA, IHC, WB
24531	Hsp60 (HspD1) Polyclonal Antibody	Rabbit	(+) Human	ELISA, WB
25694	Hsp70 (HspA1A) Monoclonal Antibody (Clone 7F6)	Mouse	(+) Human, Mouse (-) Rat	ELISA, IHC, IP, WB
24532	Hsp70 (HspA1A) Polyclonal Antibody	Rabbit	(+) Human	ELISA, IF, IHC, WB
24497	Citrullinated Hsp70 (R155) Polyclonal Antibody	Rabbit	(+) Human	ELISA, WB
23916	Citrullinated Hsp70 (R357) Polyclonal Antibody	Rabbit	(+) Human	ELISA, WB
24559	Hsp90 Polyclonal Antibody	Rabbit	(+) Human, Mouse, Rat	ELISA, IF, WB
25725	Hsp90 α Polyclonal Antibody	Rabbit	(+) Human, Mouse, Rat	ELISA, IF, WB
25695	Hsp90 β Monoclonal Antibody (Clone 8D6)	Mouse	(+) Human, Mouse, Rat	ELISA, WB
25730	Hsp90 β Polyclonal Antibody	Rabbit	(+) Human, Mouse, Rat	ELISA, IF, WB
24633	HO-1 (Hsp32) Polyclonal Antibody	Rabbit	(+) Human	ELISA, IF, WB
25692	Hsp27 (HspB1) Monoclonal Antibody (Clone 6A5)	Mouse	(+) Human	ELISA, IF, IHC, WB
24530	Hsp27 (HspB1) Polyclonal Antibody	Rabbit	(+) Human	ELISA, IF, IHC, WB

Inhibitors of Hsp70, Hsp90, and HDAC6

Item No.	Product Name	Target	Activity
17675	Apoptozole	Hsp70	IC ₅₀ = 5-7 μ M
14395	MKT-077	Hsp70	EC _{50,s} = 1.4-2.2 μ M
17257	VER-155008	Hsp70 (NDB site)	IC ₅₀ = 0.5 μ M
11039	17-AAG	Hsp90	IC ₅₀ = 5 nM
18269	BIIB021	Hsp90	K _i = 1.7 nM
11036	17-DMAG	Hsp90	IC ₅₀ = 24 nM
22418	KW 2478	Hsp90 α	IC ₅₀ = 3.8 nM
18457	Novobiocin (sodium salt)	Hsp90	IC ₅₀ = 700 nM
10655	Onalespib	Hsp90	IC ₅₀ = 18 nM
18409	PU-WS13	Hsp90B1 (Grp94)	EC ₅₀ = 220 nM
13089	Radicol	Hsp90	IC ₅₀ = <1 nM
21531	ACY-1215	HDAC6	IC ₅₀ = 5 nM
13146	CAY10603	HDAC6	IC ₅₀ = 0.002 nM
13174	M 344	HDAC6	IC ₅₀ = 88 nM
16874	Nexturastat A	HDAC6	IC ₅₀ = 5.02 nM
13691	Tubacin	HDAC6	IC ₅₀ = 4 nM
15785	Tubastatin A	HDAC6	IC ₅₀ = 15 nM
21099	WT161	HDAC6	IC ₅₀ = 0.40 nM

To view a complete list of our Heat Shock Protein research tools,
visit us online at www.caymanchem.com