

Recombinant Human AHA1, activator of heat shock 90kDa protein ATPase homolog 1 (yeast)

Cat. No. AHSA1-322H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human AHSA1 protein was expressed in E. coli and purified by using conventional chromatography techniques (320 aa, 36.1 kDa).
Species	Human
Source	E.coli
Description	The co-chaperone Aha1 (Activator of HSP90 ATPase-1) binds the middle domain of Hsp90(amino acid 272-627) and is proposed to function as an ATPase-activating protein that competes with p23 and other co-chaperones for Hsp90 binding.
Formulation	Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 2 mM EDTA.
Molecular Weight	36.1 kDa (320 aa).
Purity	> 95% by SDS – PAGE.
Concentration	1 mg/ml (determined by Bradford assay).
Endotoxin Level	< 1.0 EU per 1 µg of protein (determined by LAL method).
Sequence	MATNVNNWHW TERDASNWST DKLKTLFLAV QVQNEEGKCE VTEVSKLDGE ASINNRKGKL IFFYEWSVKL NWTGTSKSGV QYKGHVEIPN LSDENSVDEV EISVSLAKDE PDTNLVALMK EEGVKLLREA MGIYISTLKT EFTQGMILPT

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MNGESVDPVG QPALKTEERK AKPAPSKTQA RPVGVKIPTC KITLKETFLT
SPEELYRVFT TQELVQAFTH APATLEADRG GKFHMVDGNV SGEFTDLVPE
KHIVMKWRFK SWPEGHFATI TLTFIDKNGE TELCMEGRGI PAPEEERTRQ
GWQRYFFEGI KQTFGYGARL

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

AHSA1

Synonyms

AHSA1; AHA1, activator of heat shock 90kDa protein ATPase homolog 1 (yeast); p38; AHA1; C14orf3; chromosome 14 open reading frame 3; activator of heat shock 90kDa protein ATPase homolog 1.

Gene ID

10598

mRNA Refseq

NM_012111.2

Protein Refseq

NP_036243.1

MIM

608466

UniProt ID

O95433

**Chromosome
Location**

14q24

Function

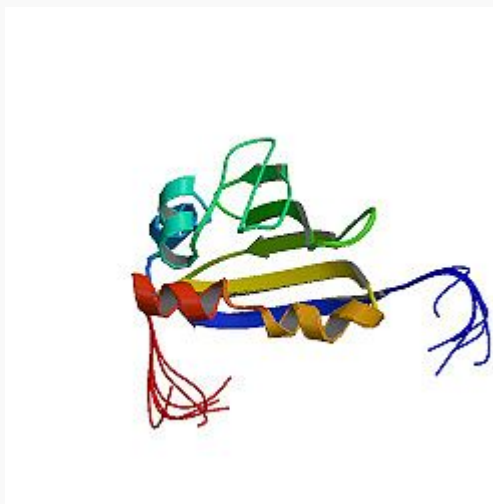
ATPase activator activity; chaperone binding.

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PDBrendering based
on 1x53. Available
structures: 1x53.



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