

AHA1 Human

Description: AHA1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 320 amino acids (19-337) and having a molecular mass of 36.1 kDa.

Catalog #: HYP5-020

Synonyms: AHA1, ACA1, p38, C14orf3, Activator of HSP90 ATPase-1.

For research use only.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MATNVNNWHW TERDASNWST DKLKTFLAV QVQNEEGKCE
VTEVSKLDGE ASINNRKGKL IFFYEWSVKL NWTGTSKSGV QYKGHVEIPN LSDENSVDEV
EISVSLAKDE PDTNLVALMKEEGVKLLREA MGIYISTLKT EFTQGMILPT MNGESVDPVG
QPALKTEERK AKPAPSKTQARPVGVKIPTC KITLKETFLT SPEELYRVFT TQELVQAFTH
APATLEADRG GKFH

Purity: Greater than 95.0% as determined by SDS-PAGE.

Formulation:

The AHA1 protein solution contains 20mM Tris-HCl buffer (pH 8.0) and 2mM EDTA.

Stability:

AHA1 although stable 4°C for 4 weeks, should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Usage:

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Introduction:

AHA1 is a cochaperone that stimulates hsp90 ATPase activity. AHA1 binds the middle domain of Hsp90 (amino acid 272-627) and functions as an ATPase-activating protein that competes with p23 and other co-chaperones for Hsp90 binding. AHA1 affects a step in the endoplasmic reticulum to golgi trafficking.

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