

Recombinant human Hsp90 beta protein (Active) ab80033

2 References 2 图像

描述	
产品名称	重组人Hsp90 beta蛋白(Active)
生物活性	<p>1. The reactions are in 33 mM Hepes pH7.2, 30 mM NaCl, 5 mM MgCl₂, 1 mM DTT, 1.5 mM ATP in a 100 µl reaction at 37°C. It is an enzyme-linked ATP regeneration assay tracking loss of NADH absorbance at 340nm.</p> <p>2. The protein concentrations (where applicable) were 2 µM Hsp90 (Hsp90 beta), 2 µM Ahsa1 (His tagged human Ahsa1), 4 µM p23 (cleaved human p23), 4 µM HOP (His-tagged human HOP).</p> <p>3. Addition of a two-fold excess of p23 reduced Aha1-mediated Hsp90 stimulation by 30% (when using 2 µM Hsp90 and Aha1).</p> <p>4. Addition of a two -fold excess of HOP completely eliminated Aha1-mediated ATPase stimulation as well as intrinsic Hsp90 ATPase activity.</p>
纯度	<p>> 90 % SDS-PAGE.</p> <p>ab80033 is Affinity Purified, Endotoxin-free</p>
表达系统	Baculovirus infected BTI-TN-5B1-4 cells
Accession	<u>P08238</u>
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	<p>MPEEVHGGEEVETFAFQAEIAQLMSLIINTFYSNKEIFLRE LISNASDA LDKIRYESLTDPSKLDSGKELKIDIIPNPQERTLTLVDTGIG MTKADLIN NLGTIAKSGTKAFMEALQAGADISMIGQFGVGFYSAYLVAEK VVVITKHN DDEQYAWESSAGGSFTVRADHGEPiGRGTKVILHLKEDQTEY LEERRVKE VVKKHSQFIGYPITLYLEKEREKEISDDEAEEEEKGEKEEEDK DDEEKPKI EDVGSDEEDDSGKDKKKKTKKIKEKYIDQEELNKTkPIWTRN PDDITQEE YGEFYKSLTNDWEDHLAVKHFSVEGQLEFRALLFIPRRAPFD LFENKKKK</p>

NNIKLYVRRVFIMDSCDELIPEYLNFIKRVVDSDELPLNISR
 EMLQQSKI
 LKVIRKNIVKKCLELFSLEAEDKENYKKFYEAFSKNLKLGIH
 EDSTNRRR
 LSELLRYHTSQSGDEMTSLSEYVSRMKETQKSIYYITGESKE
 QVANSAFV
 ERVRKRGFEVVYMTPEIDECVQQLKEFDGKSLVSVTKEGLE
 LPEDEEEK
 KKMEESKAKFENLCKLMKEILDKKVEKVTISNRLVSSPCCIV
 TSTYGWTA
 NMERIMKAQALRDNSTMGYMAKKHLEINPDHPIVETLRQKA
 EADKNDKA
 VKDLVLLFETALLSSGFSLEDPQTHSNRIYRMILGLGIDE
 DEVAAEEP NAAVPDEIPPLEGDEDASRMEEVD

预测分子量 90 kDa
氨基酸 1 to 724

技术指标

Our **Abpromise guarantee** covers the use of **ab80033** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用 Western blot
 ELISA
 Inhibition Assay
 Functional Studies
 SDS-PAGE

形式 Liquid

补充说明 ab80033 is endotoxin free. <0.1 EU/ml.

制备和贮存

稳定性和存储 Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C.
 Avoid freeze / thaw cycle.

Constituents: 0.0154% DTT, 0.242% Tris, 0.00292% EDTA, 10% Glycerol (glycerin, glycerine), 1.015% Sodium chloride

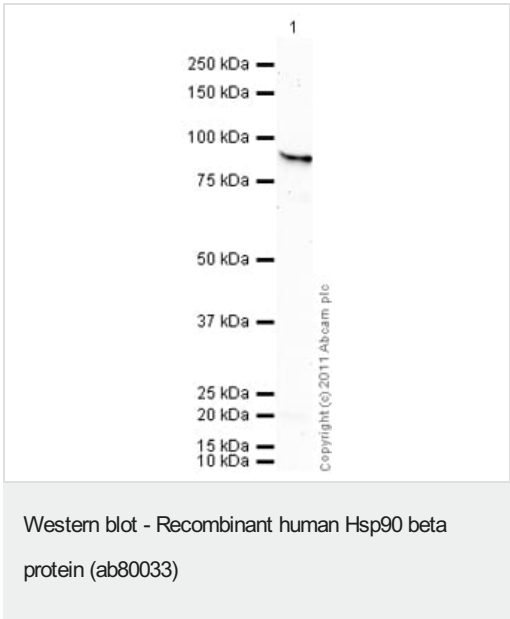
This product is an active protein and may elicit a biological response in vivo, handle with caution.

常规信息

功能 Molecular chaperone that promotes the maturation, structural maintenance and proper regulation of specific target proteins involved for instance in cell cycle control and signal transduction. Undergoes a functional cycle that is linked to its ATPase activity. This cycle probably induces conformational changes in the client proteins, thereby causing their activation. Interacts dynamically with various co-chaperones that modulate its substrate recognition, ATPase cycle and chaperone function.

序列相似性	Belongs to the heat shock protein 90 family.
结构域	The TPR repeat-binding motif mediates interaction with TPR repeat-containing proteins.
翻译后修饰	Ubiquitinated in the presence of STUB1-UBE2D1 complex (in vitro). ISGylated. S-nitrosylated; negatively regulates the ATPase activity.
细胞定位	Cytoplasm. Melanosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

图片



SDS-PAGE of Hsp90 beta protein (ab80033).

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