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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Data Sheet

HSP90 α , His-tag

Human, Recombinant, C-terminal His-tag
Catalog #: 50290
Lot#: 180213 **Conc.:** 0.91 mg/ml

Formulated in: 40 mM Tris-HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl, 250 mM Imidazole, 3mM DTT and 10% glycerol.

Stability: At least 6 months at -80°C . Avoid freeze/thaw cycles. Storing diluted enzyme is not recommended, if necessary, use carrier protein (BSA 0.1 – 0.5%).

References:

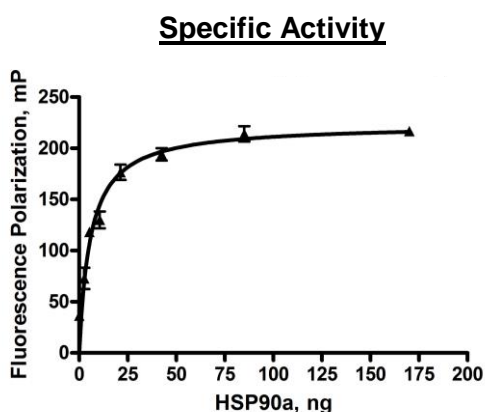
- Wayne N. and Bolon D.N. *J Biol Chem.* 2007 Nov 30;**282(48)**:35386-95.
- Pearl L.H., Prodromou C. and Workman P. *Biochem J.* 2008 Mar 15;**410(3)**:439-53.

Description: Human Heat Shock Protein 90 alpha (GenBank Accession No. NM_005348), full length with C-terminal His-tag, MW = 86 kDa, expressed in an *E. coli* expression system.

Specific Activity: 102 pmol/min/ μg
 Assay conditions : Buffer contains 0.1M HEPES, pH 7.4, 0.25M MgCl₂, 0.25M KCl, 0.1M Na₂MoO₄, and 0.05% Triton X. Incubated for 150 minutes at room temperature. Fluorescence polarization measured at exc470/em528.

Application: Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.

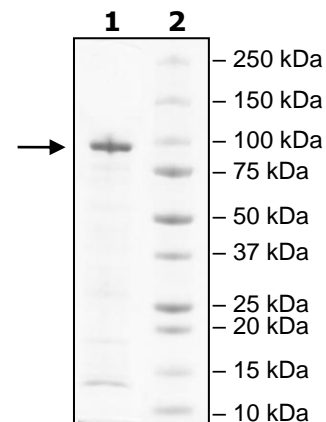
Quality Assurance



4-20% SDS-PAGE
Coomassie staining

Lane 1:
 2 μg Hsp90 α
Lane 2:
 Protein Marker

MW: 86 kDa
Purity: $\geq 90\%$



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Sequence

MPEETQTQDQPMEEEEVETFAFQAEIAQLMSLIINTFYNSKEIFLRELISNSSDALDKIRYES
LTDPKLDSGKELHINLIPNKQDRTLIVDTGIGMTKADLNNLGTIAKSGTKAFMEALQAG
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YYITGETKDQVANSFAVERLRKHGLEVIYMIPEIDCYVQQLKEFEGKTLVSVTKEGLELPE
DEEEKKKQEEKTKFENLCKIMKDILEKKVEKVVVSNRLVTSPCCIVTSTYGWTANMERIM
KAQALRDNSTMGYMAAKKHLEINPDHSIETLRQKAEADKNDKSVKDLVILLYETALLSSG
FSLEDPQTHANRIYRMIKLGIDEDDPTADDTSAAVTEEMPPLEGDDDTSRMEEVDHHH
HHH

Red: His tag

Black: Hsp90a (a.a. 1-732(end))

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