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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Data Sheet

HSP90α (C-terminal), Biotin-labeled

Human, recombinant, N-terminal His-tag,
 N-terminal Avi-tag™

Catalog #: 50316

Lot#: 140103-G3 **Conc.:** 2.79 mg/ml

Formulated in: 40 mM Tris-HCl pH 8, 110 mM NaCl, 2.2 mM KCl, 0.04% Tween-20, 20% glycerol

Stability: >6 months at -80°C. Avoid freeze/thaw cycles.

References:

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

Description:

Human Heat Shock Protein 90 alpha (HSP90α), GenBank Accession No. NM_005348, a.a. 535-732 (end) with N-terminal His-tag and N-terminal Avi-tag™, MW = 25 kDa, expressed in an *E. coli* expression system and enzymatically biotin-labeled using Avi-tag™ technology.

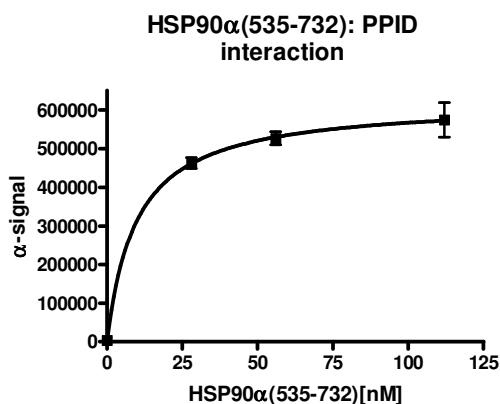
Assay Conditions:

HSP90α (C-terminal):PPID binding activity measured using HSP90α (C-terminal) Inhibitor Screening Assay Kit, BPS Bioscience, Catalog # 50317.

Application:

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

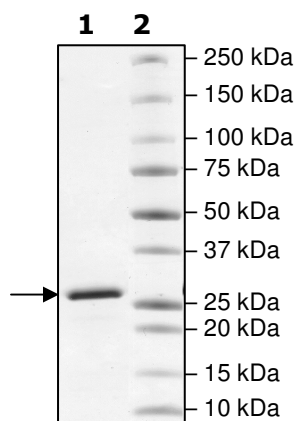
Quality Assurance



**4-20% SDS-PAGE
 Coomassie staining**

Lane 1:
 2 µg Hsp90α
Lane 2:
 Protein Marker

MW: 25 kDa
Purity: ≥90%



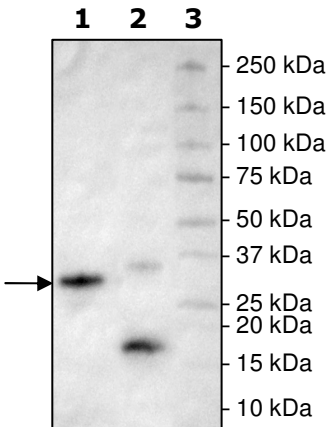
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Streptavidin-HRP
Western Blot

Lane 1:
 HSP90 α
Lane 2:
 Biotinylated control
Lane 3:
 Protein Marker

**10 pmol of each were loaded*



Sequence:

MHHHHHHGGGLNDIFEAQKIEWHEEFEGKTLVSVTKEGLELPEDEEEKKKQEEKKTK
FENLCKIMKDILEKKVEKVVS NRLVTSPCCIVTSTYGWTANMERIMKAQALRDNSTM
GYMAAKKHLEINPDHSIIETLRQKAEADKNDKSVKDLVILLYETALLSSGFSLED PQTH
ANRIYRMIKLG LGIDEDDPTADDTSAAVTEEMP PLEGGDDDTSRMEEVD

Red: His-tag

Blue: Avi-tag™

Black: Hsp90 α (aa 535-732(end))

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