

Recombinant Human Hsp90 alpha

ORDERING INFORMATION

Catalog Number	Size
11102P-10	10ug
11102P-50	50ug
11102P-1000	1000ug

Formulation: Sterile-filtered colorless solution in 20mM Tris-HCl, pH 7.4 and 100mM NaCl. Purified by proprietary chromatographic techniques.

BACKGROUND

Hsp90, a mammalian heat shock protein, is a molecular chaperone that helps to keep a target protein in a folding-competent state. It has been found in cell cytosol, nucleus, and endoplasmic reticulum of many different tissues. Hsp90 functions as a dimer. It has an ATP-binding site and low ATPase activity. Its chaperone activity is enhanced at high temperatures, and its function is sensitive to bivalent cation concentrations.

DESCRIPTION

Recombinant human Hsp90 produced in *E. coli* is a single, non-glycosylated polypeptide containing 732 amino acids with a molecular weight of 86.8kDa. It is expressed with a 6X His-tag.

SPECIFICATION SUMMARY

Source: *Escherichia coli*

Purity: Greater than 95% as determined by SDS-PAGE and RP-HPLC.

Accession number: P07900

STORAGE AND STABILITY

Store at 4°C if entire vial will be used within 2-4 weeks. Store at or below -20°C for longer periods of time. Addition of a carrier protein (such as 0.1% HSA or BSA) is recommended for long-term storage.

For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.