

**AP00035CP-N****HSPA8 / HSC70 Control Peptide****Alternate names:**

HSP73, HSPA10, Heat shock 70 kDa protein 8, Heat shock cognate 71 kDa protein

**Quantity:**

50 µg

**Concentration:**

0.5 mg/ml

**Background:**

The family of approximately 70 kDa heat-shock proteins, HSP70, contains both heat-inducible and constitutively expressed members, the latter of which are sometimes called heat-shock cognate proteins (HSCs). HSPA8 gene encodes Hsc70 protein, a heat-shock cognate protein that binds to nascent polypeptides to facilitate correct folding. It also functions as an ATPase in the disassembly of clathrin-coated vesicles during transport of membrane components through the cell.

**Uniprot ID:**[P11142](#)**NCBI:**[NP\\_006588](#)**GeneID:**[3312](#)**Format:****State:** Liquid peptide**Buffer System:** PBS, pH 7.2, containing 50% Glycerol, 0.1% BSA and 0.02% Thimerosal.**Applications:**

Western blot: It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30 minutes at 37°C.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

**Specificity:**

Control peptide for antibody AP00035PU-N only.

**Storage:**

Store at -20°C or for long term storage (in aliquots) at -20°C to -70°C.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.