

Recombinant Human Hsp22

ORDERING INFORMATION

Catalog Number	Size
11133P-2	2ug
11133P-10	10ug
11133P-100	100ug

Formulation: White powder lyophilized from a 1mg/ml sterile-filtered solution in 20mM Tris-acetate buffer, pH 7.6, 10mM NaCl, 0.1mM EDTA, 0.1mM PMSF, and 15mM β -mercaptoethanol. Purified by proprietary chromatographic techniques.

BACKGROUND

Hsp22, a Mn^{+2} -dependent serine-threonine-specific protein kinase displays temperature-dependent chaperone activity. Defects in Hsp22 cause distal hereditary motor neuropathy type 2 (also known as distal spinal muscular atrophy) and spinal muscular atrophy of the charcot-marie-tooth type.

SPECIFICATION SUMMARY

Source: *Escherichia coli*

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

Accession number: Q9UJY1

Solubility: Reconstitute in sterile distilled H₂O to no less than 100ug/ml; dilute reconstituted stock further in other aqueous solutions if needed.

STORAGE AND STABILITY

Store at or below -20°C. After reconstitution, store at 4°C for up to one week and at or below -20°C for future use. 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.