Recombinant Human Heat shock protein beta-7 is produced by our E.coli expression system and the target gene encoding Met1-Ile170 is expressed with a 6His tag at the C-terminus.

**Accession #:** Q9UBY9

**Known as:** Pregnancy specific beta-1-glycoprotein 2; PSBG2; Pregnancy-specific beta-1 glycoprotein E; pregnancy-specific beta-1-glycoprotein 2; pregnancy-specific beta-1-glycoprotein 7; PSG2

**FORMULATION**

Supplied as a 0.2 µm filtered solution of 20mM Tris, 0.2M NaCl, 2mM DTT, 50% glycerol, pH 8.0.

**SHIPPING**

The product is shipped on dry ice/polar packs.

Upon receipt, store it immediately at the temperature listed below.

**STORAGE**

Store at ≤ -20°C, stable for 6 months after receipt.

Please minimize freeze-thaw cycles.

**QUALITY CONTROL**

Purity: Greater than 95% as determined by reducing SDS-PAGE (three-band)

Endotoxin: Less than 0.1 ng/µg (1 IEU/µg).

**AMINO ACID SEQUENCE**

MSHRTSSTFRAERSFHSSSSSSSSSTSSASRALPAQDPPMEKALSMFSDFGSFMVSEPLOAFPARRPGGAGNIKTLGDAYEFAVDVRDFSPEIIVTTSNHIEVRAECLAADGTVMNTFAPHCQLPEDVPSALREDGSLTIRARRHPHTEHVQQTFRTEIKIL

**BACKGROUND**

PSG2 is a secreted protein that in humans is encoded by the PSG2 gene. It is a member of the human pregnancy-specific glycoproteins (PSGs) family. These proteins are synthesized in large amounts by placental trophoblasts and released into the maternal circulation during pregnancy. PSG2 consist of a single N domain, with structural similarity to the immunoglobulin variable domains, followed by a variable number of immunoglobulin constant-like A and/or B domains. It has an arg-gly-asp (RGD) motif, which has been shown to function as an adhesion recognition signal for several integrins, in the N-terminal domain.