

RPPB5243

Product Information Protein Information

Product SKU:

RPPB5243

Accession:

P11021

Host:

Escherichia Coli.

Protein description:

Recombinant Human HSPA5 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 640 amino acids (20-650 a.a.) and having a molecular mass of 71kDa. HSPA5 human recombinant is fused to an 8 amino acid His Tag at C-terminus and purified by conventional chromatography techniques.

Appearance:

Sterile filtered colorless solution.

Synonyms:

BIP, MIF2, GRP78, FLJ26106, HSPA5, 78 kDa glucose-regulated protein, GRP 78, Heat shock 70 kDa protein 5, Immunoglobulin heavy chain-binding protein, Endoplasmic reticulum lumenal Ca(2+)-binding protein grp78.

Formulation:

The HSPA5 protein solution contains 20mM Tris-HCl, pH-8 & 10% Glycerol.

Purity:

Greater than 90.0% as determined by SDS-PAGE.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Amino Acid Sequence:

MEEDKKEDVG TVVGIDLGTT YSCVGVFKNG RVEIANDQG NRITPSYVAF TPEGERLIGD AAKNQLTSNP
ENTVFDKRL IGRTWNDPSV QQDIKFLPFK VVEKTKPYI QVDIGGGQTK TFAPEEISAM VLTKMKETAE
AYLGKKVTHA VVTPAYFND AQRQATKDAG TIAGLNVMRI INEPTAAAIA YGLDKREGEK NILVFDLGGG
TFDVSLTID NGVFEVVATN GDTHLGGEDF DQRVMEHFIK LYKKKTGKDV RKNRAVQKL RREVEKAKRA
LSSQHARIE IESFYEGEDF SETLTRAKFE ELNMDLFRST MKPVQKVLED SDLKSDIDE IVLVGGSTRI
PKIQQLVKEF FNGKEPSRGI NPDEAVAYGA AVQAGVLSGD QDTGDLVLLD VCPLTLGIET VGGVMTKLIP
RNTVVPKKK QIFSTASDNQ PVTIKVYEG ERPLTKDNHL LGTFDLTGIP PAPRGVPQIE VTFEIDVNGI
LRVTAEDKGT GNKNKITITN DQNRLTPEEI ERMVNDAEKF AEEDKKLKER IDTRNELESY AYSLKNQIGD
KEKLGGLSS EDKETMEKAV EEKIEWLESH QDADIEDFKA KKKELEEVQ PIISKLYGSA GPPPTGEEDT
AELEHHHHHH.