

## Heat shock 70kDa protein 5 Human Recombinant, Hi-5

<b>Item Number</b>	rAP-3401
<b>Synonyms</b>	78 kDa glucose-regulated protein, GRP-78, Endoplasmic reticulum lumenal Ca(2+)-binding protein grp78, Heat shock 70 kDa protein 5, Immunoglobulin heavy chain-binding protein, BiP, HSPA5, GRP78, MIF2, FLJ26106.
<b>Description</b>	HSPA5 produced in Hi-5 cells is a single, glycosylated polypeptide chain containing 640 amino acids (20-650 a.a.) and having a molecular mass of 71kDa. HSPA5 is fused to an 8 amino acid His Tag at C-Terminus and purified by proprietary chromatographic techniques.
<b>Uniprot Accession Number</b>	P11021
<b>Amino Acid Sequence</b>	MEEDKKEDVG TVVGIDLGTT YSCVGVFKNG RVEIANDQG NRITPSYVAF TPEGERLIGD AAK-NQLTSNP ENTVFDKRL IGRTWNDPSV QQDIKFLPFK VVEKTKPYI QVDIGGGQTK TFAPEEISAM VLTMMKETAE AYLGGKVTTHA VVTPAYFND AQRQATKDAG TIAGLNMVRI INEPTAAAIA YGLDKREGEK NILVFDLGGG TFDVSLTID NGVFEVVATN GDTHLGGEDF DQVRMEHFIK LYKKKTGKDV RKDNRAV-QKL RREVEKAKRA LSSQHARIE IESFYEGEDF SETLTRAKFE ELNMDLFRST MKPVQKVLED SDLKKSIDE IVLVGGSTRI PKIQQLVKEF FNGKEPSRGI NPDEAVAYGA AVQAGVLSGD QDTGDLVLLD
<b>Source</b>	Hi-5 Cells.
<b>Physical Appearance and Stability</b>	Sterile filtered colorless solution. 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.
<b>Formulation and Purity</b>	The HSPA5 protein solution (1mg/ml) 20mM Tris-HCl buffer (pH8.0), 10% glycerol, 2mM DTT and 200mM NaCl. Greater than 90.0% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**