

Heat Shock 70kDa Protein 5 Human Recombinant

Item Number	rAP-3408
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 luminal Ca(2+)-binding protein grp78.
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
Uniprot Accession Number	P11021
Amino Acid Sequence	MEEDKKEDVG TVVGIDLGTT YSCVGVFKNG RVEIIANDQG NRITPSYVAF TPEGERLIGD AAK-NQLTSNP ENTVFDKRL IGRTWNDPSV QQDIKFLPFK VVEKKTTPYI QVDIGGGQTK TFAPEEISAM VLTMMKETAE AYLGGKVTHA VVTVPAYFND AQRQATKDAG TIAGLNMVRI INEPTAAAIA YGLDKREGEK NILVFDLGGG TFDVSLTID NGVFEVVATN GDTHLGGEDF DQRVMEHFVK LYKKKTGKDV RKDNRAV-QKL RREVEKAKRA LSSQHARIE IESFYEGEDF SETLTRAKFE ELNMDLFRST MKPVQKVLSDLLKSDIDE IVLVGGSTRI PKIQQLVKEF FNGKEPSRGI NPDEAVAYGA AVQAGVLSGD QDTGDLVLLD
Source	Escherichia Coli.
Physical Appearance and Stability	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.
Formulation and Purity	The HSPA5 protein solution contains 20mM Tris-HCl, pH-8 & 10% Glycerol. Greater than 90.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	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**