

## Product datasheet for **AR03010PU-L**

### Heat shock protein 105 / HSP105 (Isoform alpha) (1-858, His-tag) Human Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Heat shock protein 105 / HSP105 (Isoform alpha) (1-858, His-tag) human recombinant protein, 0.5 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMSV GLDVGSQSCY IAVARAGGIE TIANEFSDRC TPSVISFGSK NRTIGVAAKN QQITHANNTV SNFKRFHGRA FNDPFIQKEK ENLSYDLVPL KNGGVGIVM YMGEEHLFSV EQITAMLLTK LKETAENSLK KPVTDCVISV PSFFTDAERR SVLDAAQIVG LNCLRLMNDM TAVALNYGIY KQDLPSLDEK PRIVVFVDMG HSAFQVSACA FNKGKLVLG TAFDPFLGGK NFDEKLVEHF CAEFKTKYKL DAKSKIRALL RLYQECEKLG KLMSSNSTDL PLNIECFMND KDVSGKMNRS QFEELCAELL QKIEVPLYSL LEQTHLKVED VSAVEIVGGA TRIPAVKERI AKFFGKDIST TLNADEAVAR GCALQCAILS PAFKVFREFSV TDAVPFPIISL IWNHDSSEDE GVHEVFSRNH AAPFSKVLTF LRRGPFELEA FYSDPQGVVY PEAKIGRFV QNVSAQKDGE KSRVKVKVRV NTHGIFTIST ASMVEKVPT ENEMSSEADM ECLNQRPPEN PDTDKNVQQD NSEAGTQPQV QTDAQQTSQS PPSELTSEE NKIPDADKAN EKKVDQPPEA KKPKIKVNV ELPIEANLW QLKGDLLNMY IETEGKMIMQ DKLEKERNDA KNAVEEYVYE FRDKLCGPYE KFICEQDHQN FLRLLTETED WLYEEGEDQA KQAYVDKLEE LMKIGTPVKV RFQEAERPK MFEELGQRLQ HYAKIAADR NKDEKYNHID ESEMKKVEKS VNEVMEWMNN VMNAQAKKSL DQDPVVAQE IKTKIKELNN TCEPVVTQPK PKIESPKLER TPNGPNIDKK EEDLEDKNNF GAEPHQNGE CYPNEKNSVN MDLD
<b>Tag:</b>	His-tag
<b>Predicted MW:</b>	100 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>90% > 90% by SDS PAGE
<b>Buffer:</b>	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris pH 8.0, 50 mM NaCl
<b>Preparation:</b>	Liquid purified protein
<b>Protein Description:</b>	Recombinant His tagged HSP105α was expressed in E.coli and purified by using conventional chromatography techniques.



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<b>Note:</b>	NCBI Accession No.: NP_006635
<b>Storage:</b>	Store (in aliquots) at -20°C. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>RefSeq:</b>	<a href="#">NP_001273432</a>
<b>Locus ID:</b>	10808
<b>UniProt ID:</b>	<a href="#">Q92598</a> , <a href="#">A0A024RDQ0</a>
<b>Cytogenetics:</b>	13q12.3
<b>Synonyms:</b>	HSP105; HSP105A; HSP105B; NY-CO-25
<b>Summary:</b>	This gene encodes a member of the heat shock protein 70 family of proteins. The encoded protein functions as a nucleotide exchange factor for the molecular chaperone heat shock cognate 71 kDa protein (Hsc70). In addition, this protein plays a distinct but related role as a holdase that inhibits the aggregation of misfolded proteins, including the cystic fibrosis transmembrane conductance regulator (CFTR) protein. Elevated expression of this protein has been observed in numerous human cancers. [provided by RefSeq, Mar 2017]
<b>Protein Families:</b>	Stem cell - Pluripotency

### Product images:

