

Endoplasmin (HSP90B1) Recombinant Protein | HSP90B1 recombinant protein

Recombinant Human Endoplasmin (HSP90B1), partial

CATALOG # AAA116171	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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PRODUCT SYNONYMS

Endoplasmin (HSP90B1); Recombinant Human Endoplasmin (HSP90B1); partial; 94KDA glucose-regulated protein ; GRP-94Heat shock protein 90KDA beta member 1Tumor rejection antigen 1gp96 homolog; HSP90B1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	27-799aa; Partial
Sequence	VDGTVEEDLG KSREGSRTDD EVVQREEEI QLDGLNASQI RELREKSEKF AFQAEVNRMM KLIINSLYKN KEIFLRELIS NASDALDKIR LISLTDENAL SGNEELTVKI KCDKEKNLLH VTDGVMTR EELVKNLGTI AKSGTSEFLN KMTEAQEDGQ STSELIGQFG VGFYSAFLVA DKVIVTSKHN NDTQHIWESD SNEFSVIADP RGNTLGRGTT ITLVLKEEAS DYLELDTIKN LVKKYSQFIN FPIYVWSSKT ETVEEPMEEE EAAKEEKEES DDEAAVEEEEE EEKKPKTKKV EKTVDWELM NDIKPIWQRP SKEVEEDEYK AFYKSFSKES DDPMAIYHFT AEGETVFKSI LFPVTSAPRG LFDEYGSKKS DYIKLYVRRV FITDDFHMM PKYLNFKGV VSDDDLPLNV SRETQHQHL LKVIRKKLVR KTLDMIKIA DDKYNDTFWK EFGTNIKLV IEDHSNRTL AKLLRFQSSH HPTDITSLDQ YVERMKEKQD KIYFMAGSSR KEAESSPFVE RLLKKGYEVI YLTPVDEYC IQALPEFDGK RFQNVAKEGV KFDESEKTE SREAVEKEFE PLLNWMKDKA LKDKIEKAVV SQRLTESPCA LVASQYGWWSG NMERIMKAQA YQTGKDISTN YYASQKKTFE INPRHPLIRD MLRRIKEDD DKTVLDLAVV LFETATLRSG YLLPDTKAYG DRIERMLRLS LNIDPDAKVE EEPREEPEET AEDTTEDTEQ DEDEEMDVGT DEEETAKES TAE
Species	Homo sapiens (Human)
Subcellular Location	Endoplasmic reticulum lumen, Melanosome
Protein Families	Heat shock protein 90 family
Pathway	Estrogen signaling pathway
Relevance	Molecular chaperone that functions in the processing and transport of secreted proteins. When associated with CNPY3, required for proper folding of Toll-like receptors. Functions in endoplasmic reticulum associated degradation (ERAD). Has ATPase activity.1 Publication
Function	Molecular chaperone that functions in the processing and transport of secreted proteins. When associated with CNPY3, required for proper folding of Toll-like receptors (By similarity). Functions in endoplasmic reticulum associated degradation (ERAD). Has ATPase activity.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20 degree C/-80 degree C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Preparation and Storage	Store at -20 degree C. For extended storage, store at -20 or -80 degree C.

ADDITIONAL INFORMATION

Product Categories/Family for HSP90B1 recombinant protein	Metabolism
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References	A subset of chaperones and folding enzymes form multiprotein complexes in endoplasmic reticulum to bind nascent proteins.Meunier L., Usherwood Y.-K., Chung K.T., Hendershot L.M.Mol. Biol. Cell 13:4456-4469(2002) https://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=HGNC:12028 https://www.ncbi.nlm.nih.gov/UniGene/clust.cgi?ORG=Hs&CID=192374 https://www.genome.jp/dbget-bin/www_bget?hsa:7184 https://string-db.org/network/9606.ENSP00000299767 https://www.omim.org/entry/191175191175191175
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4507677
NCBI GeneID	7184
NCBI Accession #	NP_003290.1
NCBI GenBank Nucleotide #	NM_003299.2
UniProt Accession #	P14625; Q96A97
Molecular Weight	92,469 Da
NCBI Official Full Name	endoplasmin
NCBI Official Synonym Full Names	heat shock protein 90kDa beta (Grp94), member 1
NCBI Official Symbol	HSP90B1
NCBI Official Synonym Symbols	ECGP; GP96; TRA1; GRP94
NCBI Protein Information	endoplasmin; tumor rejection antigen 1; 94 kDa glucose-regulated protein; tumor rejection antigen (gp96) 1; endothelial cell (HBMEC) glycoprotein; heat shock protein 90 kDa beta member 1; stress-inducible tumor rejection antigen gp96
UniProt Protein Name	Endoplasmin
UniProt Gene Name	HSP90B1
UniProt Synonym Gene Names	GRP94; TRA1; GRP-94
UniProt Entry Name	ENPL_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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 Online datasheet: <https://stage.aaabiotech.com/hsp90b1-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/116171>