

Major Histocompatibility Complex Class I G (MHCG) Recombinant Protein | MHCG recombinant protein

Recombinant Major Histocompatibility Complex Class I G (MHCG)

CATALOG # AAA149290	HOST E.coli	APPLICATIONS Western Blot, SDS-Page
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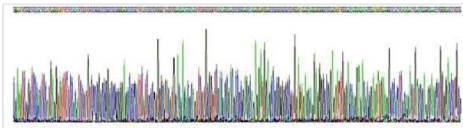
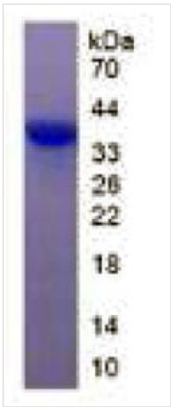
PRODUCT SYNONYMS

Major Histocompatibility Complex Class I G (MHCG); Recombinant Major Histocompatibility Complex Class I G (MHCG); HLA-G; MHC-G; HLAG; Leukocyte Antigen G; b2 microglobulin; HLA class I histocompatibility antigen; alpha chain G; MHCG recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Purity/Purification	> 90%
Form/Format	100mMNaHCO ₃ , 500mMNaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Concentration	Original Concentration: 200ug/mL (varies by lot)
Applicable Applications for MHCG recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Organism Species	Homo sapiens (Human)
Source	Prokaryotic expression
Residues	Gly25~Ile308
Tags	N-terminal His Tag
Subcellular Location	Membrane, Secreted
Traits	Freeze-dried powder
Predicted isoelectric point	5.0
Usage	Reconstitute in ddH ₂ O to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition

IMAGES



Gene Sequence
Gene Sequencing (extract)

SDS-PAGE

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      GSHSMR YFSAAVSRPG RGEPRFIAMG
YVDDTQFVRF DSDSACPRME PRAPHVEQEG PEYWEETR N TKAH AQTD RM
NLQTLRGYYN QSEASSHTLQ WMIGCDLGSD GRLLRGVEQY AYDGKDY LAL
NEDLRSWTAA DTAAQISKRK CEAA NVAEQ R RAYLEGTCVE W L HRYLENGK
EMLQRAOPPK THVTHHPVFD YEATLRCHAL GFYP AEIILT WQRDGEDOTQ
DVELVET RPA GDGTFQK WAA VVVP SGEEQR Y TCHVQHEGL PEPLMLRWKQ
SSLPTIPI

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Sequence

ADDITIONAL INFORMATION

Product Categories/Family for MHCG recombinant protein

Apoptosis; Tumor immunity; Infection immunity; Immune molecule; Hematology; Reproductive science; Immunodeficiency; Autoimmunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	122132
NCBI GeneID	3135
UniProt Accession #	P17693
Molecular Weight	Predicted Molecular Mass: 36.4kDa Accurate Molecular Mass: 38kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	HLA class I histocompatibility antigen, alpha chain G
NCBI Official Synonym Full Names	major histocompatibility complex, class I, G
NCBI Official Symbol	HLA-G
NCBI Official Synonym Symbols	MHC-G
NCBI Protein Information	HLA class I histocompatibility antigen, alpha chain G
UniProt Protein Name	HLA class I histocompatibility antigen, alpha chain G
UniProt Gene Name	HLA-G
UniProt Synonym Gene Names	HLA-6.0; HLAG
UniProt Entry Name	HLAG_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.