

Major Histocompatibility Complex Class I G Recombinant Protein | HLA-G recombinant protein

Recombinant Human Major Histocompatibility Complex Class I G

CATALOG # AAA38049	HOST E Coli
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PRODUCT SYNONYMS

Major Histocompatibility Complex Class I G; Recombinant Human Major Histocompatibility Complex Class I G; Major Histocompatibility Complex Class I G Human Recombinant; Major Histocompatibility Complex; Class I; G; HLA-G Histocompatibility Antigen; MHC Class I Antigen G; B2 Microglobulin; HLA G Antigen; HLA Class I Histocompatibility Antigen; Alpha Chain G; Mutant MHC Class Ib Antigen; Mutant MHC Class I Antigen; MHC Class Ib Antigen; HLA-6.0; MHC-G; HLAG; HLA class I histocompatibility antigen; alpha chain G; HLA G antigen; MHC class I antigen G; HLA-G Human; HLA-G recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 90% as determined by SDS-PAGE.
Form/Format	HLA-G protein solution (0.25mg/ml) contains 20% glycerol and PBS (pH 7.4).
Sequence	MGSSHHHHH SSGLVPRGSH MGSHMGSHSM RYFSAAVSRP GRGEPRFIAM GYVDDTQFVR FSDSACPRM EPRAPWVEQE GPEYWEEETR NTKAHAQTDR MNLQTLRGYY NQSEASSHTL QWMIGCDLGS DGRLLRGYEQ YAYDGKDYLA LNEDLRSWTA ADTAAQISKR KCEAANVAEQ RRAYLEGTCV EWLHRYLENG KEMLQRADPP KTHVTHHPVF DYEATLRCWA LGFYPAEIL TWQRDGEDQT QDVELVETRP AGDGTFQKWA AVVVPSGEEQ RYTCHVQHEG LPEPLMLRWK QSSLPTIPI.
Sequence Length	338
Physical Appearance	Sterile filtered clear solution
Preparation and Storage	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.

ADDITIONAL INFORMATION

Related Product Information for HLA-G recombinant protein	Description: HLA-G Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 309 amino acids (25-308 a.a) and having a molecular mass of 35.3kDa. HLA-G is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Introductions: HLA-G (Major Histocompatibility Complex Class I G) is a member of the HLA class I heavy chain paralogues. This class I molecule is a heterodimer which comprises a heavy chain as well as a light chain, beta-2 microglobulin, while the heavy chain is fixed in the membrane. HLA-G is expressed on fetal derived placental cells. HLA-G is a non-classical class-I HLA molecule linked with immuno-modulatory & anti-inflammatory properties which interacts with inhibitory receptors such as, ILT2/ILT4/KIR2DL4, that are present on different immune cells. HLA-G inhibits the proliferation of T cells, B cells & natural killer cells, moreover it also induces regulatory T cells.
Product Categories/Family for HLA-G recombinant protein	Recombinant & Natural Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	122132
NCBI GeneID	3135
UniProt Accession #	P17693

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

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/hla-g-recombinant-protein-e-coli/38049>