

Datasheet for ABIN1047176

**HLAG Protein (AA 25-337, partial) (GST tag)**[Go to Product page](#)**1** Image**2** Publications

## Overview

Quantity:	50 µg
Target:	HLAG
Protein Characteristics:	AA 25-337, partial
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This HLAG protein is labelled with GST tag.
Application:	ELISA

## Product Details

Sequence:	GSLSMRYFSA AVSRPGRGEP RFIAMGYVDD TQFVRFDSDS ACPRMEPRAP WVEQEGPEYW EEETRNTKAH AQTDRMNLQT LRGYYNQSEA SSHTLQWMIG CDLGSDGRL RGYEQYAYDG KDYALNEDL RSWTAADTAA QISKRKCEAA NVAEQRRAYL EGTCVEWLHR YLENGKEMLQ RADPPKTHVT HHPVFDYEAT LRCWALGFYP AEIILTQWRD GEDQTQDVEL VETRPAGDGT FQKWAAVWVP SGEEQRYTCH VQHEGLPEPL MLRWKQSSLP TIPIMGIVAG LVVLAAVVTG AAVA AVLWRK KSS
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	90 %

## Target Details

Target:	HLAG
Alternative Name:	HLA class I histocompatibility antigen, alpha chain G protein ( <a href="#">HLAG Products</a> )
Background:	Involved in the presentation of foreign antigens to the immune system. Plays a role in maternal tolerance of the fetus by mediating protection from the deleterious effects of natural killer cells, cytotoxic T lymphocytes, macrophages and mononuclear cells.
Molecular Weight:	62.9 kD
UniProt:	<a href="#">P17693</a>
Pathways:	<a href="#">Regulation of Leukocyte Mediated Immunity</a> , <a href="#">Positive Regulation of Immune Effector Process</a> , <a href="#">Cancer Immune Checkpoints</a> , <a href="#">Human Leukocyte Antigen (HLA) in Adaptive Immune Response</a>

## Application Details

Comment:	The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modiflicated such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.
Restrictions:	For Research Use only

## Handling

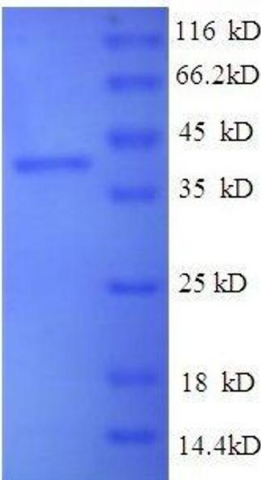
Format:	Lyophilized
Concentration:	0.2-2 mg/mL
Buffer:	Tris-based buffer, 50 % glycerol
Handling Advice:	Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week
Storage:	-20 °C
Storage Comment:	Store at -20 °C for extended storage, conserve at -20 °C or -80 °C

Publications

Product cited in: Shukla, Swaroop, Srivastava, Weissman: "The mRNA of a human class I gene HLA G/HLA 6.0 exhibits a restricted pattern of expression." in: **Nucleic acids research**, Vol. 18, Issue 8, pp. 2189 , (1990) ([PubMed](#)).

Geraghty, Koller, Orr: "A human major histocompatibility complex class I gene that encodes a protein with a shortened cytoplasmic segment." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 84, Issue 24, pp. 9145-9, (1988) ([PubMed](#)).

Images



**SDS-PAGE**

**Image 1.** HLA Class I Histocompatibility Antigen, alpha Chain G (HLAG) (AA 25-337), (partial) protein (GST tag)