

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

pTCF5 HLA-A*01:01

RRID:Addgene_180448

Type: Plasmid

Proper Citation

RRID:Addgene_180448

Plasmid Information

URL: <http://www.addgene.org/180448>

Proper Citation: RRID:Addgene_180448

Insert Name: HLA-A*01:01

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Vector Backbone Description: Backbone Marker:Novagen; Vector Backbone:pET24a+; Vector Types:Bacterial Expression; Bacterial Resistance:Kanamycin

Comments: <https://www.ebi.ac.uk/ipd/imgt/hla/alleles/allele/?accession=HLA00001> provides allele sequence data. For detailed protocols of expression, purification and use to visualize antigen-specific T cells, please refer to Altman and Davis (2016) Curr. Protoc. Immunol. doi.org/10.1002/cpim.14. We recommend the E. coli BL21(DE3) strain for expression.

Plasmid Name: pTCF5 HLA-A*01:01

Relevant Mutation: Replacement of transmembrane domain with enzymatic biotinylation site

Record Creation Time: 20220422T222034+0000

Record Last Update: 20260725T074350+0000

Ratings and Alerts

No rating or validation information has been found for pTCF5 HLA-A*01:01.

No alerts have been found for pTCF5 HLA-A*01:01.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Killian JT, et al. (2025) Topography of the HLA-A protein enforces shared and convergent immunodominant B cell and antibody alloresponses in transplant recipients. Immunity, 58(12), 3040.