

For Research Use Only

Recombinant Human IGLV3-21 protein (rFc Tag)(HPLC verified)



Catalog Number: Eg2591

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE
>90 %, SEC-HPLC

Tag:
rFc Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE
>90 %, SEC-HPLC

Endotoxin Level:
<0.1 EU/ μ g protein, LAL method

Source:
HEK293-derived Human IGLV3-21 protein Val18-Thr117 (Accession# P80748) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
28796

Accession:
P80748

Predicted Molecular Mass:
36.7 kDa

SDS-PAGE:
40-62 kDa, reducing (R) conditions

Formulation:
Lyophilized from 0.22 μ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

The light chain IgLV3-21 (previously named "VL2-14") represents the most abundant lambda light chain in CLL (~21%) and is the third most abundant light chain (~7%, after IgKV3-20 and IgKV1-39) if both lambda and kappa light chains are considered.

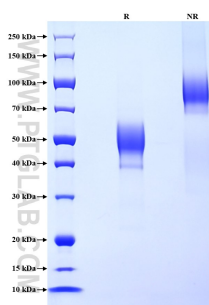
References

1. Stamatopoulos K, et al. (2005) Blood. 106(10):3575-83.

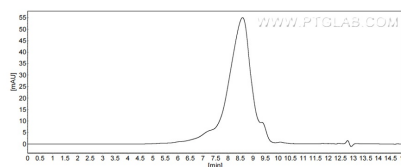
Synonyms

Immunoglobulin lambda variable 3-21

Selected Validation Data



Purity of Recombinant Human IGLV3-21 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.



The purity of Human IGLV3-21 was greater than 90% as determined by SEC-HPLC.