重组人IGLC6蛋白

Recombinant IGLC6 protein (His tag)

目录号 Catalog Number	549182
同用名 Synonyms	Ig lambda-6 chain C region
种属 Species	Human
表达系统 Expression System	E. coli
蛋白编号 Accession	P0CF74
分子量 Molecular Weight	Predictes a molecular mass of 12.91 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 16 kDa band.

产品信息

氨基酸序列 Amino Acid Sequence	MSKIKGQPKA APSVTLFPPS SEELQANKAT LVCLISDFYP GAVKVAWKAD GSPVNTGVET TTPSKQSNNK YAASSYLSLT PEQWKSHRSY SCQVTHEGST VEKTVAPAEC SLEHHHHHH
性状 Form	冻干粉末 Lyophilized powder
组分 Formulation	Lyophilized from sterile PBS, pH 7.4
纯度 Purity	>90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
内毒素 Endotoxin	Not tested.
活性 Activity	Not tested.
稳定性 Stability	Samples are stable for up to twelve months from date of receipt at -70℃
蛋白构建 Protein Construction	DNA encoding 1-106 aa (P0CF74) were fused with C-terminal 6His tag.

保存与运输

复溶 Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
储存 Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
运输 Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

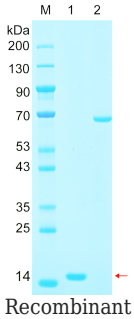
功能描述

研究背景 Background

Recombinant Immunoglobulin lambda constant 6 (Ig lambda-6 chain C region) fragment (amino acids 1-106) is a high-purity protein designed for studying the Ig-like domain's role in antibody structure and function. This fragment provides an essential tool for investigating humoral immunity mechanisms and antigen binding interactions.
Immunoglobulin lambda constant 6 serves as the constant region of immunoglobulin light chains, which are crucial glycoproteins produced by B lymphocytes. These immunoglobulins function as antigen receptors in the recognition phase of humoral immunity, triggering B cell expansion and differentiation into antibody-secreting plasma cells. The secreted immunoglobulins mediate the effector phase that eliminates bound antigens. Each immunoglobulin's antigen binding site is formed by variable domains from one heavy chain and its associated light chain, with the constant regions providing structural stability. The protein is naturally found both secreted and membrane-bound in human cells, playing a fundamental role in adaptive immune responses through its participation in antibody-mediated pathogen clearance.

验证数据

SDS-PAGE



Recombinant IGLC6 protein (His tag) SDS-PAGE
M: Marker; Lane 1: IGLC6; Lane 2: BSA