重组人IGLC1蛋白

Recombinant IGLC1 protein (His tag)

目录号 Catalog Number	542085
同用名 Synonyms	Ig lambda chain C region MGC; Ig lambda-1 chain C region
种属 Species	Human
表达系统 Expression System	E. coli
蛋白编号 Accession	P0CG04
分子量 Molecular Weight	Predictes a molecular mass of 12.98 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 15 kDa band.

产品信息

氨基酸序列 Amino Acid Sequence	MSKIKGQPKA NPTVTLFPPS SEELQANKAT LVCLISDFYP GAVTVAWKAD GSPVKAGVET TKPSKQSNNK YAASSYLSLT PEQWKSHRSY SCQVTHEGST VEKTVAPTEC SLEHHHHHH
性状 Form	冻干粉末 Lyophilized powder
组分 Formulation	Lyophilized from sterile PBS, pH 7.4
纯度 Purity	>85%, 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 (P0CG04) 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.

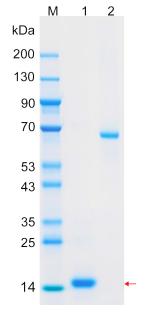
功能描述

研究背景 Background

Recombinant Human Immunoglobulin lambda constant 1 (IGLC1) fragment (amino acids 1-106) is a high-purity protein encompassing the complete Ig-like domain. This product is an essential tool for investigating antibody structure, B-cell receptor signaling, and humoral immune responses, offering researchers a defined antigen for functional and binding studies.
Immunoglobulin lambda constant 1 (IGLC1) constitutes the constant region of immunoglobulin light chains, which are critical components of antibodies produced by B lymphocytes. These immunoglobulins function as antigen receptors on B-cell membranes, triggering clonal expansion and differentiation into antibody-secreting plasma cells upon antigen binding. Secreted immunoglobulins execute the effector phase of humoral immunity, leading to targeted antigen elimination. Each immunoglobulin's antigen-binding site is formed by the variable domain of a heavy chain paired with its associated light chain variable domain, enabling high-affinity antigen recogn

验证数据

SDS-PAGE



Recombinant IGLC1 protein (His tag) SDS-PAGE
M: Marker; Lane 1: IGLC1; Lane 2: BSA