重组人IGKC蛋白

Recombinant IGKC protein (His tag)

目录号 Catalog Number	541992
同用名 Synonyms	Ig kappa chain C region; Ig kappa chain C region AG; Ig kappa chain C region CUM; Ig kappa chain C region EU; Ig kappa chain C region OU; Ig kappa chain C region ROY; Ig kappa chain C region TI
种属 Species	Human
表达系统 Expression System	E. coli
蛋白编号 Accession	P01834
分子量 Molecular Weight	Predictes a molecular mass of 13.42 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	MNHKVRTVAA PSVFIFPPSD EQLKSGTASV VCLLNNFYPR EAKVQWKVDN ALQSGNSQES VTEQDSKDST YSLSSTLTLS KADYEKHKVY ACEVTHQGLS SPVTKSFNRG ECLEHHHHHH
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 1-107 aa (P01834) 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.

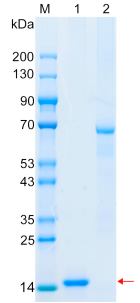
功能描述

研究背景 Background

Recombinant Human Immunoglobulin Kappa Constant (IGKC) Fragment (1-107) – a high-purity protein encompassing the complete Ig-like domain, ideal for investigating antibody structure, B-cell receptor signaling, and humoral immune responses in research applications.
The Immunoglobulin Kappa Constant (IGKC) protein represents the constant region of immunoglobulin light chains, which are critical components of antibodies produced by B lymphocytes. In humoral immunity, membrane-bound immunoglobulins act as antigen receptors on B cells, triggering clonal expansion and differentiation into antibody-secreting plasma cells upon antigen binding. Secreted immunoglobulins then mediate effector functions to eliminate antigens. Each antibody's antigen-binding site is formed by variable domains of heavy and light chains, with the constant region (such as IGKC) contributing to antibody stability and function. The full-length protein is localized to the cell membrane or secreted into the extracellular space, playing a

验证数据

SDS-PAGE



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