重组人BCL6蛋白

Recombinant BCL6 protein (His tag)

目录号 Catalog Number	542315
同用名 Synonyms	BCL-6; B-cell lymphoma 5 protein; BCL-5; Protein LAZ-3; Zinc finger and BTB domain-containing protein 27; Zinc finger protein 51
种属 Species	Human
表达系统 Expression System	E. coli
蛋白编号 Accession	P41182
分子量 Molecular Weight	Predictes a molecular mass of 15.62 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	MASPADSCIQ FTRHASDVLL NLNRLRSRDI LTDVVIVVSR EQFRAHKTVL MACSGLFYSI FTDQLKCNLS VINLDPEINP EGFCILLDFM YTSRLNLREG NIMAVMATAM YLQMEHVVDT CRKFIKASLE HHHHHH
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 1-128 aa (P41182) 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.

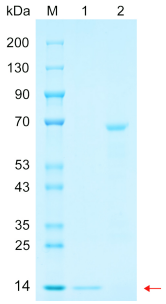
功能描述

研究背景 Background

Recombinant Human B-cell lymphoma 6 protein (BCL-6) fragment (amino acids 1-128) is a high-purity protein designed for studying the BTB domain's role in transcriptional repression and germinal center formation. This fragment serves as an essential tool for investigating domain-specific interactions and regulatory mechanisms in immunology and cancer research.
BCL-6 is a transcriptional repressor critical for germinal center formation, antibody affinity maturation, and immunological memory establishment. It functions by forming complexes with corepressors and histone deacetylases to repress genes involved in differentiation, inflammation, and cell cycle control, while enabling B-cell proliferation and tolerance to DNA damage during immune responses. The protein also regulates T-cell differentiation and neurogenesis via epigenetic mechanisms. BCL-6 localizes to the nucleus, where it directly binds DNA or modulates transcription factor activity. The provided fragment encompasses the BTB domain, enabling focused studies on its contribution to BCL-6's repressive functions and molecular interactions.

验证数据

SDS-PAGE



Recombinant BCL6 protein (His tag) SDS-PAGE
M: Marker; Lane 1: BCL6; Lane 2: BSA