重组人KLDC2蛋白

Recombinant KLDC2 protein (His tag)

目录号 Catalog Number	543928
同用名 Synonyms	Hepatocellular carcinoma-associated antigen 33; Host cell factor homolog LCP; Host cell factor-like protein 1; HCLP-1
种属 Species	Human
表达系统 Expression System	E. coli
蛋白编号 Accession	Q9Y2U9
分子量 Molecular Weight	Predictes a molecular mass of 47.75 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 48 kDa band.

产品信息

氨基酸序列 Amino Acid Sequence	MSKIKHHHHH HGGSMADGNE DLRADDLPGP AFESYESMEL ACPAERSGHV AVSDGRHMFV WGGYKSNQVR GLYDFYLPRE ELWIYNMETG RWKKINTEGD VPPSMSGSCA VCVDRVLYLF GGHHSRGNTN KFYMLDSRST DRVLQWERID CQGIPPSSKD KLGVWVYKNK LIFFGGYGYL PEDKVLGTFE FDETSFWNSS HPRGWNDHVH ILDTETFTWS QPITTGKAPS PRAAHACATV GNRGFVFGGR YRDARMNDLH YLNLDTWEWN ELIPQGICPV GRSWHSLTPV SSDHLFLFGG FTTDKQPLSD AWTYCISKNE WIQFNHPYTE KPRLWHTACA SDEGEVIVFG GCANNLLVHH RAAHSNEILI FSVQPKSLVR LSLEAVICFK EMLANSWNCL PKHLLHSVNQ RFGSNNTSGS
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 1-406 aa (Q9Y2U9) were fused with N-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.

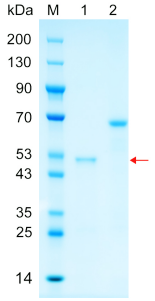
功能描述

研究背景 Background

Recombinant Human KLHDC2 Protein (aa 1-406) is a high-purity, stable fragment of Kelch domain-containing protein 2, designed for structural and biochemical studies. This product encompasses the full-length protein's functional domain, enabling research into its role as a substrate-recognition component in the DesCEND pathway, which targets C-terminal diglycine motifs for ubiquitin-mediated degradation.
Kelch domain-containing protein 2 (KLHDC2), also known as Hepatocellular carcinoma-associated antigen 33 or Host cell factor-like protein 1, is a nucleus-localized protein that serves as the substrate-recognition component of a Cul2-RING (CRL2) E3 ubiquitin ligase complex in the DesCEND pathway. This pathway identifies C-degron motifs, specifically proteins ending with a diglycine (Gly-Gly) sequence, leading to their ubiquitination and proteasomal degradation. KLHDC2 plays a critical role in quality control by targeting truncated selenoproteins (e.g., SELENOK and SELENOS) resulting from failed UGA/Sec

验证数据

SDS-PAGE



Recombinant KLDC2 protein (His tag) SDS-PAGE
M: Marker; Lane 1: KLDC2; Lane 2: BSA