重组人YETS2蛋白

Recombinant YETS2 protein (His tag)

目录号 Catalog Number	546230
同用名 Synonyms	ALL1-fused gene from chromosome 9 protein; Myeloid/lymphoid or mixed-lineage leukemia translocated to chromosome 3 protein; YEATS domain-containing protein 3
种属 Species	Human
表达系统 Expression System	E. coli
蛋白编号 Accession	Q9ULM3
分子量 Molecular Weight	Predictes a molecular mass of 17.01 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 17 kDa band.

产品信息

氨基酸序列 Amino Acid Sequence	MNHKVLFVKK TIVVGNVSKY IPPDKREEND QSTHKWMVYV RGSRREPSIN HFVKKVWFFL HPSYKPNDLV EVREPPFHLT RRGWGEFPVR VQVHFKDSQN KRIDIIHNLK LDRTYTGLQT LGAETVVDVE LHRHLEHHHH HH
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 204-332 aa (Q9ULM3) were fused with C-terminal 6His tag.

保存与运输

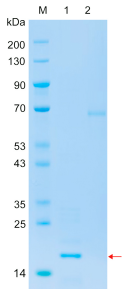
复溶 Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution 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 YEATS2 (204-332) Fragment is a high-quality, soluble protein derived from the human YEATS domain-containing protein 2. This fragment is ideal for investigating chromatin regulation, specifically histone recognition and modifications, in structural and biochemical studies. The full-length YEATS2 protein is a chromatin reader component of the ATAC complex, which possesses histone acetyltransferase activity targeting histones H3 and H4. It specifically binds to histone H3 crotonylated at Lys-27 (H3K27cr), a modification associated with active promoters and enhancers that confers resistance to transcriptional repressors. YEATS2 is localized in the nucleus, where it plays a critical role in epigenetic regulation and gene expression control.

验证数据

SDS-PAGE



Recombinant YETS2 protein (His tag) SDS-PAGE
M: Marker; Lane 1: YETS2; Lane 2: BSA