重组人LMO7蛋白

Recombinant LMO7 protein (His tag)

目录号 Catalog Number	547830
同用名 Synonyms	LMO-7; F-box only protein 20; LOMP
种属 Species	Human
表达系统 Expression System	E. coli
蛋白编号 Accession	Q8WWI1
分子量 Molecular Weight	Predictes a molecular mass of 21.35 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 21 kDa band.

产品信息

氨基酸序列 Amino Acid Sequence	MNHKVRQLIC AHVCICVGWL YLRDRVCSKK DIILRTEQNS GRTILIKAVT EKNFETKDFR ASLENGVLLC DLINKLKPGV IKKINRLSTP IAGLDNINVF LKACEQIGLK EAQLFHPGDL QDLSNRVTVK QEETDRRVKN VLITLYWLGR KAQSNPYYNG PHLNLKAFEN LLGQALTKLE 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 34-206 aa (Q8WWI1) 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.

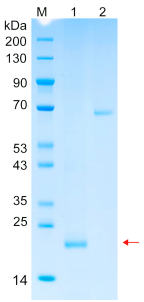
功能描述

研究背景 Background

Recombinant Human LMO7 Fragment (aa 34-206) is a high-purity protein designed for functional studies, encompassing the Calponin-homology (CH) domain. This fragment serves as an essential tool for researchers investigating domain-specific mechanisms in cellular processes.
LIM domain only protein 7 (LMO7), also known as F-box only protein 20 or LOMP, is encoded by the LMO7 gene in Homo sapiens. While specific functional and subcellular localization details are not fully characterized in the provided data, LMO7 is implicated in diverse cellular activities through its structural domains, including the CH domain involved in actin binding and cytoskeletal organization. The recombinant fragment (aa 34-206) focuses on the CH domain (aa 64-181), enabling targeted exploration of its role in signaling pathways and protein interactions.

验证数据

SDS-PAGE



Recombinant LMO7 protein (His tag) SDS-PAGE
M: Marker; Lane 1: LMO7; Lane 2: BSA