重组人SENP2蛋白

Recombinant SENP2 protein (His tag)

目录号 Catalog Number	541300
同用名 Synonyms	Axam2; SMT3-specific isopeptidase 2; Smt3ip2; Sentrin/SUMO-specific protease SENP2
种属 Species	Human
表达系统 Expression System	E. coli
蛋白编号 Accession	Q9HC62
分子量 Molecular Weight	Predictes a molecular mass of 28.06 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 28 kDa band.

产品信息

序列区间 Sequence Region	367-589
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 367-589 aa (Q9HC62) were fused with N-terminal 6His tag.

保存与运输

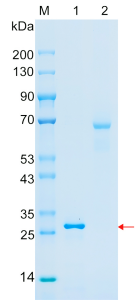
复溶 Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution 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	This recombinant protein is a fragment of Sentrin-specific protease 2 (SENP2), encompassing residues 367-589 from Homo sapiens. It represents a stable, soluble unit ideal for investigating SUMO pathway dynamics, including SUMO maturation and deconjugation, in structural and biochemical studies. Sentrin-specific protease 2 (SENP2) is a crucial enzyme in the SUMO pathway, performing two essential functions: it processes SUMO propeptides (SUMO1, SUMO2, and SUMO3) into their mature forms and deconjugates SUMO from target proteins, regulating processes such as Wnt signaling, adipogenesis via CEBPB stabilization, and the cGAS-STING pathway during viral infection. Located primarily in the nucleus, particularly at the nuclear pore complex, and shuttling between the nucleus and cytoplasm, SENP2 plays a dynamic role in cellular regulation and protein stability.

验证数据

SDS-PAGE



Recombinant SENP2 protein (His tag) SDS-PAGE
M: Marker; Lane 1: SENP2; Lane 2: BSA