Recombinant SMRD2 protein (His tag)

Catalog Number	547885
Synonyms	60 kDa BRG-1/Brm-associated factor subunit B; BRG1-associated factor 60B; BAF60B
Species	Human
Expression System	E. coli
Accession	Q92925
Molecular Weight	Predictes a molecular mass of 46.88 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 49 kDa band.

Product Information

Sequence Region	141-531
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>89%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Endotoxin	Not tested.
Activity	Not tested.
Stability	Samples are stable for up to twelve months from date of receipt at -70℃
Protein Construction	DNA encoding 141-531 aa (Q92925) were fused with 6His tag.

Storage & Handling

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.
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.
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.

Description

Description	Recombinant Human SMARCD2 (BAF60B) Fragment (aa 141-531): A high-purity protein fragment encompassing the SWIB/MDM2 domain, designed for investigating chromatin remodeling mechanisms and transcriptional regulation in myeloid differentiation and neutrophil granule formation. SMARCD2 (BAF60B) is a critical 60 kDa subunit of the SWI/SNF chromatin remodeling complex, which alters DNA-nucleosome topology through ATP-dependent enzymatic activity to enable transcriptional activation and repression. This protein localizes to the nucleus and is essential for myeloid differentiation, specifically regulating granulocytopoiesis and genes involved in neutrophil granule formation. The provided fragment includes the functional SWIB/MDM2 domain, allowing focused study of its role in chromatin remodeling processes.