Recombinant SETD9 protein (His tag)

Catalog Number	550969
Species	Human
Expression System	E. coli
Accession	Q8NE22
Molecular Weight	Predictes a molecular mass of 35.75 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 36 kDa band.

Product Information

Sequence Region	1-299
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>86%, 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 1-299 aa (Q8NE22) 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 SET Domain-containing protein 9 (SETD9) fragment (amino acids 1-299) is a high-purity protein preparation designed for studying the specific functions of the SET domain. This fragment fully encompasses the catalytic SET domain (residues 122-295), making it an ideal tool for investigating histone methyltransferase activity and epigenetic regulation mechanisms. SETD9 is a human protein containing a SET domain, which is characteristic of histone methyltransferases involved in epigenetic regulation. While specific functional details and subcellular localization information are not fully characterized in the provided data, proteins containing SET domains typically play crucial roles in chromatin modification, gene expression regulation, and cellular differentiation processes through their methyltransferase activity.