Recombinant RAD9B protein (His tag)

Catalog Number	548740
Synonyms	DNA repair exonuclease rad9 homolog B; hRAD9B
Species	Human
Expression System	E. coli
Accession	Q6WBX8
Molecular Weight	Predictes a molecular mass of 32.84 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 33 kDa band.

Product Information

Sequence Region	1-275
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>88%, 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 1-275 aa (Q6WBX8) 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 RAD9B protein fragment (amino acids 1-275) is a high-quality, soluble protein preparation ideal for structural biology and biochemical studies. This fragment represents a stable domain of the Cell cycle checkpoint control protein RAD9B, carefully selected through computational analysis to ensure optimal expression and functionality for research applications. The full-length Cell cycle checkpoint control protein RAD9B (DNA repair exonuclease rad9 homolog B) is involved in DNA damage response and cell cycle regulation. As a homolog of the RAD9 DNA repair protein, RAD9B plays a crucial role in maintaining genomic integrity through its participation in cell cycle checkpoint pathways. The specific biological functions and subcellular localization of the human RAD9B protein are areas of active research interest in understanding DNA repair mechanisms and cell cycle control.