Recombinant REM2 protein (His tag)

Catalog Number	549277
Synonyms	Rad and Gem-like GTP-binding protein 2
Species	Human
Expression System	E. coli
Accession	Q8IYK8
Molecular Weight	Predictes a molecular mass of 20.82 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 22 kDa band.

Product Information

Sequence Region	113-284
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 113-284 aa (Q8IYK8) 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 GTP-binding protein REM 2 (Rad and Gem-like GTP-binding protein 2) fragment (residues 113-284) from Homo sapiens, designed for structural and biochemical studies. This stable, soluble unit retains GTP-binding capability, offering a reliable tool for investigating REM2's regulatory functions. The full-length GTP-binding protein REM 2 is a human protein that binds GTP saturably and exhibits a low intrinsic rate of GTP hydrolysis, suggesting a role in cellular signaling or regulation by maintaining GTP-bound states. It localizes to the cell membrane, indicating potential involvement in membrane-associated processes such as signal transduction or cytoskeletal organization. The recombinant fragment (residues 113-284) was computationally selected to provide a stable and soluble representation of the protein, enabling detailed analysis of its biochemical properties without domain-specific constraints.