Recombinant RFESD protein (His tag)

Catalog Number	551422
Species	Human
Expression System	E. coli
Accession	Q8TAC1
Molecular Weight	Predictes a molecular mass of 19.41 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 20 kDa band.

Product Information

Sequence Region	1-157
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>85%, 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 1-157 aa (Q8TAC1) 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	Introducing our high-purity recombinant Human Rieske domain-containing protein (RFESD), encompassing amino acids 1-157. This fragment is expertly engineered to contain the complete Rieske 1 and Rieske 2 functional domains, providing researchers with a precise and reliable tool for domain-specific functional studies, protein-protein interaction assays, and structural analysis. The full-length Rieske domain-containing protein, encoded by the RFESD gene (UniProt ID: Q8TAC1), is a human protein. While a detailed functional summary and subcellular location are not specified for this entry, proteins containing Rieske domains are typically involved in electron transfer processes, often as components of larger respiratory or photosynthetic complexes. The Rieske domain is characterized by a conserved 2Fe-2S cluster and plays a crucial role in bioenergetic pathways. This recombinant fragment allows focused investigation into the specific biochemical and biophysical properties of its constituent Rieske domains.