Recombinant FKB1C protein (His tag)

Catalog Number	551391
Species	Human
Expression System	E. coli
Accession	Q5VVH2
Molecular Weight	Predictes a molecular mass of 13.83 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 14 kDa band.

Product Information

Sequence Region	1-108
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>87%, 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 1-108 aa (Q5VVH2) 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 Peptidyl-prolyl cis-trans isomerase FKBP1C (EC 5.2.1.8) fragment (amino acids 1-108). This product encompasses the complete PPIase FKBP-type functional domain, providing an essential tool for researchers studying proline isomerization and protein folding mechanisms. Peptidyl-prolyl cis-trans isomerase FKBP1C, encoded by the FKBP1C gene, is an enzyme that catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides. This isomerase activity is crucial for proper protein folding, conformational changes, and regulation of protein function. The recombinant fragment (1-108) specifically contains the complete PPIase FKBP-type domain, allowing focused investigation of this catalytic function without interference from other protein regions.