Recombinant ANGE2 protein (His tag)

Catalog Number	548712
Species	Human
Expression System	E. coli
Accession	Q5VTE6
Molecular Weight	Predictes a molecular mass of 48.56 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 49 kDa band.

Product Information

Sequence Region	129-544
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>90%, 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 129-544 aa (Q5VTE6) 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 Protein Angel Homolog 2 (ANGEL2) Fragment (residues 129-544) is a high-quality, stable protein preparation designed for structural and biochemical studies. This 416-amino acid fragment was computationally optimized for solubility and stability, providing a reliable tool for investigating ANGEL2's molecular mechanisms. Protein Angel Homolog 2 (ANGEL2) is a human protein encoded by the ANGEL2 gene (UniProt ID: Q5VTE6). While detailed functional characterization and subcellular localization information for the full-length protein are still under investigation, ANGEL2 represents an important subject for proteomic research. The selected fragment (residues 129-544) was strategically chosen based on computational predictions to ensure structural integrity and experimental utility, enabling researchers to advance understanding of this protein's potential biological roles.