Recombinant PYGO2 protein (His tag)

Catalog Number	543486
Species	Human
Expression System	E. coli
Accession	Q9BRQ0
Molecular Weight	Predictes a molecular mass of 10.52 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 11 kDa band.

Product Information

Sequence Region	326-406
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 326-406 aa (Q9BRQ0) 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 Pygopus homolog 2 (PYGO2) fragment (residues 326-406) is a high-purity protein designed for structural and biochemical studies. This 81-amino acid fragment, derived from the Wnt signaling pathway protein, offers excellent stability and solubility, making it ideal for investigating molecular mechanisms in signal transduction. Pygopus homolog 2 (PYGO2) is a human protein involved in signal transduction through the Wnt pathway, which plays crucial roles in cell proliferation, differentiation, and development. The protein is localized to the nucleus, where it participates in transcriptional regulation. This specific fragment (326-406) was computationally selected to represent a stable, soluble unit of PYGO2, enabling detailed structural analysis and functional characterization without interference from full-length protein complexity.