Recombinant PHLA2 protein (His tag)

Catalog Number	540432
Synonyms	Beckwith-Wiedemann syndrome chromosomal region 1 candidate gene C protein; Imprinted in placenta and liver protein; Tumor-suppressing STF cDNA 3 protein; Tumor-suppressing subchromosomal transferable fragment candidate gene 3 protein; p17-Beckwith-Wiedemann region 1 C; p17-BWR1C
Species	Human
Expression System	E. coli
Accession	Q53GA4
Molecular Weight	Predictes a molecular mass of 18.75 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 19 kDa band.

Product Information

Sequence Region	1-152
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 1-152 aa (Q53GA4) 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 PHLDA2 (1-152) Protein Fragment: A high-purity, functionally relevant protein fragment encompassing the complete Pleckstrin Homology (PH) domain. This product is an essential tool for researchers studying placental growth regulation, lipid-protein interactions, and the molecular mechanisms of Beckwith-Wiedemann syndrome-related proteins. PHLDA2 is a human protein involved in regulating placenta growth. It functions through its PH domain, which competitively inhibits membrane lipid binding by other PH domain-containing proteins, thereby modulating downstream signaling pathways. The protein localizes to the cytoplasm and associates peripherally with cellular membranes, consistent with its role in lipid-mediated signaling processes. This recombinant fragment retains the complete PH domain (residues 7-99) within the full 1-152 sequence, making it ideal for investigating domain-specific functions in physiological and pathological contexts.