Recombinant VGLL2 protein (His tag)

Catalog Number	548781
Synonyms	Vgl-2; Protein VITO1
Species	Human
Expression System	E. coli
Accession	Q8N8G2
Molecular Weight	Predictes a molecular mass of 10.67 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 11 kDa band.

Product Information

Sequence Region	75-155
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 75-155 aa (Q8N8G2) 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 Transcription cofactor vestigial-like protein 2 (Vgl-2) fragment (amino acids 75-155) is a stable, soluble protein unit ideal for structural biology and biochemical studies. This 81-amino acid fragment retains key properties for investigating Vgl-2's role as a transcriptional coactivator in skeletal muscle development. Transcription cofactor vestigial-like protein 2 (Vgl-2), also known as Protein VITO1, functions as a specific coactivator for mammalian TEFs (Transcriptional Enhanced Factor proteins) and plays an important role in skeletal muscle development. The protein localizes to the nucleus, consistent with its function in transcriptional regulation. The selected fragment (75-155) represents a computationally optimized region that maintains structural stability and solubility while excluding known functional domains, making it particularly suitable for biophysical characterization and interaction studies.