Recombinant GFOD2 protein (His tag)

Catalog Number	550890
Species	Human
Expression System	E. coli
Accession	Q3B7J2
Molecular Weight	Predictes a molecular mass of 41.37 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 41 kDa band.

Product Information

Sequence Region	26-385
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>85%, 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 26-385 aa (Q3B7J2) 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 Glucose-fructose oxidoreductase domain-containing protein 2 (GFOD2) fragment (residues 26-385) is a stable, soluble protein unit designed for structural and biochemical studies. This 360-amino acid fragment retains key functional regions and is ideal for investigating its role in extracellular matrix assembly. The full-length Glucose-fructose oxidoreductase domain-containing protein 2 (GFOD2) is a human protein that promotes matrix assembly. It is localized to the extracellular space and extracellular matrix, where it contributes to the structural organization of the cellular environment. This secreted protein plays a significant role in maintaining extracellular matrix integrity, making it relevant for studies in cell biology, tissue engineering, and related research areas.