Recombinant HDGR3 protein (His tag)

Catalog Number	549963
Synonyms	HRP-3; Hepatoma-derived growth factor 2; HDGF-2
Species	Human
Expression System	E. coli
Accession	Q9Y3E1
Molecular Weight	Predictes a molecular mass of 12.90 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 13 kDa band.

Product Information

Sequence Region	1-97
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 1-97 aa (Q9Y3E1) 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 Hepatoma-derived growth factor-related protein 3 (HRP-3/HDGF-2) fragment (amino acids 1-97) is a high-purity protein designed for studying cell proliferation mechanisms. This fragment fully encompasses the PWWP domain, making it an ideal tool for investigating domain-specific functions in DNA synthesis and cellular growth. Hepatoma-derived growth factor-related protein 3 (HRP-3), also known as HDGF-2, is a human protein that enhances DNA synthesis and plays a role in cell proliferation. The protein is localized to the nucleus, where it likely exerts its functions in regulating cellular growth processes. The full-length protein's ability to promote DNA synthesis suggests its importance in fundamental biological processes involving cell division and tissue development.