Recombinant WFDC1 protein (His tag)

Catalog Number	551022
Synonyms	Prostate stromal protein ps20; ps20 growth inhibitor
Species	Human
Expression System	E. coli
Accession	Q9HC57
Molecular Weight	Predictes a molecular mass of 14.58 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 15 kDa band.

Product Information

Sequence Region	64-183
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 64-183 aa (Q9HC57) 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 WAP four-disulfide core domain protein 1 (WFDC1) fragment (residues 64-183) is a highly stable and soluble protein designed for structural and biochemical studies. This 120-amino acid fragment retains key functional characteristics of the full-length protein, including growth inhibitory activity, making it an ideal tool for investigating cellular regulation and signaling pathways. The full-length WAP four-disulfide core domain protein 1, also known as Prostate stromal protein ps20 or ps20 growth inhibitor, is a secreted human protein with demonstrated growth inhibitory activity. As a secreted protein, it functions in extracellular signaling and regulation, playing important roles in cellular growth control mechanisms. The protein's growth inhibitory properties make it particularly relevant for research in cancer biology, tissue development, and cellular homeostasis studies.