Recombinant WASF3 protein (His tag)

Catalog Number	543903
Synonyms	Protein WAVE-3; Verprolin homology domain-containing protein 3; Wiskott-Aldrich syndrome protein family member 3; WASP family protein member 3
Species	Human
Expression System	E. coli
Accession	Q9UPY6
Molecular Weight	Predictes a molecular mass of 26.18 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 28 kDa band.

Product Information

Sequence Region	1-210
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>86%, 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 1-210 aa (Q9UPY6) 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 WASF3 (WAVE-3) Fragment (1-210) - a highly soluble and stable protein fragment ideal for structural studies and biochemical characterization of this key actin cytoskeleton regulator. WASF3 (WAVE-3) is a crucial downstream effector that transmits signals from tyrosine kinase receptors and small GTPases to the actin cytoskeleton. This protein plays an essential role in regulating cell morphology and cytoskeletal organization, directly controlling cell shape. Located in the cytoplasm and associated with the cytoskeleton, WASF3 serves as a critical mediator in cellular signaling pathways that govern structural dynamics. The provided fragment (amino acids 1-210) represents a computationally selected stable domain optimized for experimental applications.