Recombinant DUS15 protein (His tag)

Catalog Number	548217
Synonyms	VH1-related member Y; Vaccinia virus VH1-related dual-specific protein phosphatase Y
Species	Human
Expression System	E. coli
Accession	Q9H1R2
Molecular Weight	Predictes a molecular mass of 17.05 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 17 kDa band.

Product Information

Sequence Region	1-138
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>89%, 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 1-138 aa (Q9H1R2) 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 Dual specificity protein phosphatase 15 (DUSP15) fragment (residues 1-138) is a high-quality protein product designed for structural and biochemical studies. This fragment, derived from the VH1-related member Y phosphatase, offers a stable and soluble unit ideal for investigating phosphatase mechanisms and substrate interactions. Dual specificity protein phosphatase 15 (DUSP15) is a human enzyme with dual catalytic activities (EC 3.1.3.16 and EC 3.1.3.48) that may dephosphorylate multiple substrates including MAPK13, ATF2, ERBB3, PDGFRB, and SNX6. The full-length protein is primarily localized in the cytoplasm, while isoform 3 is membrane-associated via lipid anchoring and may play roles in oligodendrocyte differentiation and myelin formation through regulation of Erk1/2 phosphorylation in Schwann cells. This recombinant fragment represents a functional portion of the protein that maintains structural integrity for research applications.