Recombinant DEDD2 protein (His tag)

Catalog Number	540886
Synonyms	DED-containing protein FLAME-3; FADD-like anti-apoptotic molecule 3
Species	Human
Expression System	E. coli
Accession	Q8WXF8
Molecular Weight	Predictes a molecular mass of 16.55 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 18 kDa band.

Product Information

Sequence Region	193-326
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 193-326 aa (Q8WXF8) 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	This product is a high-quality recombinant protein fragment of human DNA-binding death effector domain-containing protein 2 (DEDD2), spanning residues 193-326. It represents a stable and soluble unit optimized for structural and biochemical studies, facilitating research into apoptosis regulation and transcriptional mechanisms. The full-length DNA-binding death effector domain-containing protein 2, also known as DEDD2 or FLAME-3, plays a critical role in death receptor-induced apoptosis by targeting caspases such as CASP8 and CASP10 to the nucleus. It is involved in regulating the degradation of intermediate filaments during apoptotic processes and may function in the general transcription machinery, potentially modulating the activity of GTF3C3. The protein is localized primarily in the nucleus and nucleolus, accumulating in subnuclear structures that resemble nucleoli, underscoring its significance in nuclear regulatory pathways.