Recombinant CFLAR protein (His tag)

Catalog Number	541749
Synonyms	Caspase homolog; CASH; Caspase-eight-related protein; Casper; Caspase-like apoptosis regulatory protein; CLARP; Cellular FLICE-like inhibitory protein; c-FLIP; FADD-like antiapoptotic molecule 1; FLAME-1; Inhibitor of FLICE; I-FLICE; MACH-related inducer of toxicity; MRIT; Usurpin
Species	Human
Expression System	E. coli
Accession	O15519
Molecular Weight	Predictes a molecular mass of 22.00 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 25 kDa band.

Product Information

Sequence Region	1-175
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 1-175 aa (O15519) 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 CASP8 and FADD-like apoptosis regulator (CFLAR), encompassing amino acids 1-175. It includes the complete DED 1 and DED 2 domains, making it an essential tool for researchers studying apoptosis regulation, caspase inhibition, and cell survival pathways in human systems. CASP8 and FADD-like apoptosis regulator (CFLAR) is a critical apoptosis regulator in mammalian cells, functioning as a key link between cell survival and death mechanisms. It acts as an inhibitor of TNFRSF6-mediated apoptosis, where a proteolytic fragment (p43) can block further recruitment and processing of caspase-8 at the death-inducing signaling complex (DISC). While full-length and shorter isoforms may either induce or reduce apoptosis triggered by TNFRSF, CFLAR lacks enzymatic caspase activity, highlighting its role as a regulatory protein in cellular fate decisions.