Recombinant BIRC8 protein (His tag)

Catalog Number	548023
Synonyms	Inhibitor of apoptosis-like protein 2; IAP-like protein 2; ILP-2; Testis-specific inhibitor of apoptosis
Species	Human
Expression System	E. coli
Accession	Q96P09
Molecular Weight	Predictes a molecular mass of 28.75 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 29 kDa band.

Product Information

Sequence Region	1-236
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 1-236 aa (Q96P09) 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 BIRC8 Protein Fragment (1-236) - A high-quality, stable fragment of Baculoviral IAP repeat-containing protein 8, specifically designed for apoptosis research and biochemical studies. This soluble fragment maintains key functional properties, making it ideal for structural analysis and inhibitor screening applications. Baculoviral IAP repeat-containing protein 8 (BIRC8), also known as ILP-2 or Testis-specific inhibitor of apoptosis, is a crucial regulator of programmed cell death in human cells. The full-length protein functions as a potent anti-apoptotic factor that specifically protects against apoptosis mediated by BAX, a key pro-apoptotic protein in the mitochondrial pathway of cell death. BIRC8 is primarily localized in the cytoplasm where it exerts its protective effects against cell death signals. This protein plays important roles in maintaining cellular homeostasis and preventing inappropriate apoptosis, particularly in testicular tissues where it shows specific expression patterns.