Recombinant CAST3 protein (His tag)

Catalog Number	551572
Synonyms	CASTOR3 pseudogene; STAG3 opposite strand transcript protein
Species	Human
Expression System	E. coli
Accession	Q8NAP1
Molecular Weight	Predictes a molecular mass of 15.76 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 16 kDa band.

Product Information

Sequence Region	36-163
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 36-163 aa (Q8NAP1) 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 fragment (amino acids 36-163) of the human Putative protein CASTOR3P (CASTOR3 pseudogene), also known as STAG3 opposite strand transcript protein. The 128-amino acid fragment has been computationally designed for optimal stability and solubility, making it an ideal reagent for structural biology and biochemical characterization studies. The full-length CASTOR3P protein is encoded by the CASTOR3 pseudogene in Homo sapiens. As specific functional data and subcellular localization information for this protein are not currently available in the provided resources, it represents a target of interest for exploratory research into pseudogene-derived proteins and their potential biological roles.