Recombinant CSN6 protein (His tag)

Catalog Number	545289
Synonyms	SGN6; Signalosome subunit 6; JAB1-containing signalosome subunit 6; MOV34 homolog; Vpr-interacting protein; hVIP
Species	Human
Expression System	E. coli
Accession	Q7L5N1
Molecular Weight	Predictes a molecular mass of 37.82 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 38 kDa band.

Product Information

Sequence Region	1-327
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>88%, 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 1-327 aa (Q7L5N1) 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 COP9 Signalosome Complex Subunit 6 (SGN6) Fragment (1-327) – a high-purity protein encompassing the complete MPN domain, designed for functional studies of ubiquitin pathway regulation, protein phosphorylation, and cellular signaling mechanisms. The COP9 signalosome complex subunit 6 (COPS6) is a key component of the COP9 signalosome (CSN), a multi-subunit complex essential for regulating the ubiquitin conjugation pathway. It mediates deneddylation of cullin subunits in SCF-type E3 ligase complexes, modulating their ubiquitin ligase activity. The CSN complex also participates in phosphorylation events involving critical regulators such as p53/TP53, c-jun/JUN, and IkappaBalpha/NFKBIA, influencing their stability and degradation. COPS6 contributes to glucocorticoid receptor signaling, stabilizes COP1 by reducing its auto-ubiquitination, and interacts with HIV-1 Vpr, potentially relocating to perinuclear regions during infection. The protein localizes to both the nucleus and cytoplasm, underscoring its versatile role in cellular and developmental processes.