Recombinant MD2BP protein (His tag)

Catalog Number	547323
Synonyms	Caught by MAD2 protein; p31(comet)
Species	Human
Expression System	E. coli
Accession	Q15013
Molecular Weight	Predictes a molecular mass of 27.03 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 27 kDa band.

Product Information

Sequence Region	53-274
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>90%, 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 53-274 aa (Q15013) 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 MAD2L1-binding protein (p31(comet)) fragment (residues 53-274) is a highly stable and soluble protein designed for structural and biochemical studies. This fragment supports research into the regulation of the spindle assembly checkpoint and mitotic progression. The full-length MAD2L1-binding protein (MAD2L1BP) plays a critical role in silencing the spindle checkpoint, enabling mitosis to proceed through anaphase by binding to MAD2L1 after its dissociation from the MAD2L1-CDC20 complex. It localizes to the nucleus during early mitosis and concentrates on the spindle from metaphase to anaphase, highlighting its importance in cell division dynamics and chromosomal segregation.