

Product datasheet for **TP317111M**

ZNF207 (NM_001098507) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Purified recombinant protein of Homo sapiens zinc finger protein 207 (ZNF207), transcript variant 3, 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC217111 representing NM_001098507

Red=Cloning site Green=Tags(s)

MGRKKKKQLKPWCWYCNRDFDDEKILIQHQKAKHFKCHICHKKLYTGPLAIHCMQVHKETIDAVPNAIP
GRTDIELEIYGMIEPEKMDERRRLLLEKQTQESQKKKQDDSDYDDDDSAASTSFQPQPVPQQGYIP
PMAQPGLPPVPGAPGMPGIPPLMPGVPLMPGMPPVMPGMPPGLHHQRKYTQSFGENIMPMGMMMP
GPGIPPLMPGMPPGMPPVPRPGIPPMTQAQAVSAPGILNRPPAPTATVPAPQPPVKPLFPSAGQMGTP
VTSSTASSNSELSASSKALFPSTAQAQAAVQGPVGTDFKPLNSTPATTTEPPKPTFPAYTQSTASTTS
TTNSTAAKPAASITSKPATLTTTSATSCLIHPDEDISLEERRAQLPKYQRNLPRPGQAPIGNPPVGG
MMPPQGPQPQQGMRPPMPPHGQYGGHHQGMPGYLPGAMPYQGPPMVPPYQGGPPRPPMGMRPPVMSQ
GGRY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 52.5 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

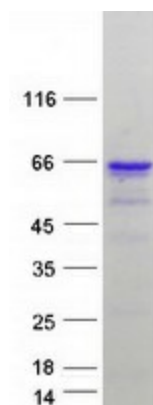


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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001091977
Locus ID:	7756
UniProt ID:	O43670
RefSeq Size:	2333
Cytogenetics:	17q11.2
RefSeq ORF:	1482
Synonyms:	BuGZ; hBuGZ
Summary:	Kinetochore- and microtubule-binding protein that plays a key role in spindle assembly (PubMed:24462186, PubMed:24462187, PubMed:26388440). ZNF207/BuGZ is mainly composed of disordered low-complexity regions and undergoes phase transition or coacervation to form temperature-dependent liquid droplets. Coacervation promotes microtubule bundling and concentrates tubulin, promoting microtubule polymerization and assembly of spindle and spindle matrix by concentrating its building blocks (PubMed:26388440). Also acts as a regulator of mitotic chromosome alignment by mediating the stability and kinetochore loading of BUB3 (PubMed:24462186, PubMed:24462187). Mechanisms by which BUB3 is protected are unclear: according to a first report, ZNF207/BuGZ may act by blocking ubiquitination and proteasomal degradation of BUB3 (PubMed:24462186). According to another report, the stabilization is independent of the proteasome (PubMed:24462187).[UniProtKB/Swiss-Prot Function]

Protein Families: Transcription Factors

Product images:



Coomassie blue staining of purified ZNF207 protein (Cat# [TP317111]). The protein was produced from HEK293T cells transfected with ZNF207 cDNA clone (Cat# [RC217111]) using MegaTran 2.0 (Cat# [TT210002]).