

Product datasheet for TP317111

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, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC217111 representing NM_001098507 Red =Cloning site Green =Tags(s)
	<p>MGRKKKKQLKPWCWYCNRDFDDEKILIQHQKAKHFKCHICHKKLYTGPGLAHCMQVHKETIDAVPNAI P GRTDIELEIYGMIEGIPEKDMDERRRLLLEQKTQESQKKKQDDSDYDDDDSAASTSFQPQPVPQQGYIP PMAQPGLPVPVPGAPGMPPGIPPLMPGVPLMPGMPPVMPGMPPGLHHQRKYTQSFCEGNIIMPMG GMMPP GPGIPPLMPGMPPGMPPVPRPGIPPMTQAQAVSAPGILNRPPAPTATVPAPQPPVTKPLFPSAGQMGT P VTSSSTASSNSESLSASSKALFPSTAQAQAQAVQGPVGTDFKPLNSTPATTTEPPKPTFPAYTQSTASTTS TTNSTAAKPAASITSKPATLTTSATSKLIHPDEDISLEERRAQLPKYQRNLPRPGQAPIGNPPVGPPIGG MMPPQPGIPQQQGMPPMPHGGYGGHHQGMPPYLGAMPPYGGPPMVPPYQGGPPRPPMGM RPPVMSQ GGRY</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
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.



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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.

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

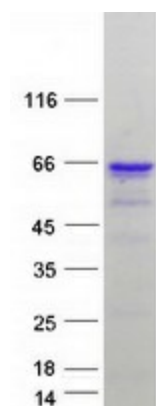
RefSeq ORF: 1482

Synonyms: BuGZ; hBuGZ

Summary: Kinetochores- 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]).