

## Product datasheet for **TP317111L**

### 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, 1 mg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC217111 representing NM\_001098507

Red=Cloning site Green=Tags(s)

MGRKKKKQLKPWCWYCNRDFDDEKILIQHQKAKHFKCHICHKKLYTGPLAIHCMQVHKETIDAVPNAIP  
GRTDIELEIYGMIEPEKMDERRRLLLEQKTQESQKKKQDDSDYDDDDSAASTSFQPQPVPQQGYIP  
PMAQPLPPVPGAPGMPGIPPLMPGVPLMPGMPPVMPGMPPGLHHQRKYTQSFGENIMMPMGMMPP  
GPGIPPLMPGMPPGMPPVPRPGIPPMTQAQAVSAPGILNRPPAPTATVPAPQPPVKPLFPSAGQMGTP  
VTSSTASSNSELSASSKALFPSTAQAQAAVQGPVGTDFKPLNSTPATTTEPPKPTFPAYTQSTASTTS  
TTNSTAAKPAASITSKPATLTTTSATSKLIHPDEDISLEERRAQLPKYQRNLPRPGQAPIGNPPVGG  
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.

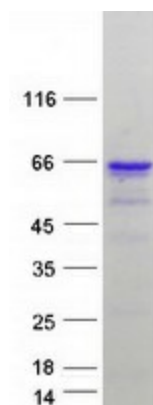


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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_001091977</a>
<b>Locus ID:</b>	7756
<b>UniProt ID:</b>	<a href="#">O43670</a>
<b>RefSeq Size:</b>	2333
<b>Cytogenetics:</b>	17q11.2
<b>RefSeq ORF:</b>	1482
<b>Synonyms:</b>	BuGZ; hBuGZ
<b>Summary:</b>	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]).