

Recombinant Human ZNF207 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ZNF207-2459H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ZNF207 MS Standard C13 and N15-labeled recombinant protein (NP_001091977) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Kinetochores- and microtubule-binding protein that plays a key role in spindle assembly. 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. Also acts as a regulator of mitotic chromosome alignment by mediating the stability and kinetochore loading of BUB3. 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. According to another report, the stabilization is independent of the proteasome.
Molecular Mass	52.5 kDa
AA Sequence	MGRKKKKQLKPWCWYCNRDFDDEKILIQHQKAKHFKCHICHKKLYTGPGLAIHCMQ VHKETIDAVPNAIPGRTDIELEIYGMIEPIEKDMDERRRLLEQKTQESQKKKQQDDSD EYDDDDSAASTSFQPQPVPQPPQGYIPPMAPGLPPVPGAPGMPPGIPPLMPGVP

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PLMPGMPPVMPGMPPGLHHQRKYTQSFCGENIMMPMGMMPPGPGIPPLMPGM
PPGMPPPVPVPRPGIPPMTQAQAVSAPGILNRPPAPTATVPAPQPPVTKPLFPSAGQM
GTPVTSSSTASSNSESLSASSKALFPSTAQAQAAVQGPVGTDFKPLNSTPATTTEPP
KPTFPAYTQSTASTTSTTNSTAAPASITSKPATLTSTTSATSKLIHPDEDISLEERRA
QLPKYQRNLPRPGQAPIGNPPVGPVIGMMPPQPGIPQQQGMRRPPMPHGGYGGH
HQMPPGYLPGAMPPYGGQPPMVPPYQGGPPRPPMGMRRPPVMSQGGRYTRTRPL
EQKLISEEDLAANDILDYKDDDDKV

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

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name ZNF207 zinc finger protein 207 [Homo sapiens (human)]

Official Symbol ZNF207

Synonyms ZNF207; zinc finger protein 207; DKFZp761N202;

Gene ID 7756

mRNA Refseq NM_001098507

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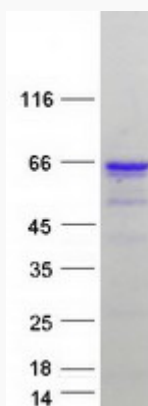
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Protein Refseq NP_001091977

MIM 603428

UniProt ID O43670

SDS-PAGE



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