

## Product datasheet for **TP761734**

### GAJ (MND1) (NM\_032117) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human meiotic nuclear divisions 1 homolog (S. cerevisiae) (MND1), full length, with N-terminal His tag, expressed in E. coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding human full-length MND1
Tag:	N-His
Predicted MW:	23.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	50 mM Tris-HCl, pH 8.0, 8 M urea
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:	<a href="#">NP_115493</a>
Locus ID:	84057
UniProt ID:	<a href="#">Q9BWT6</a>
RefSeq Size:	945
Cytogenetics:	4q31.3
RefSeq ORF:	615
Synonyms:	GAJ



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**Summary:**

The product of the MND1 gene associates with HOP2 (MIM 608665) to form a stable heterodimeric complex that binds DNA and stimulates the recombinase activity of RAD51 (MIM 179617) and DMC1 (MIM 602721) (Chi et al., 2007 [PubMed 17639080]). Both the MND1 and HOP2 genes are indispensable for meiotic recombination.[supplied by OMIM, Mar 2008]

**Protein Families:**

Druggable Genome

**Product images:**