

## Product datasheet for TP510257

### Hook3 (NM\_207659) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse hook microtubule tethering protein 3 (Hook3), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR210257 protein sequence <span style="color: red;">Red</span> =Cloning site <span style="color: green;">Green</span> =Tags(s)

MFNVESVERVELCESLLTWIQTFNVDAPCQTAEDLTNGVMSQVLQKIDPVYFDDNWLNRRIKTEVGDNR  
 R  
 LKISNLKILKGILDYNHEILGQQINDFTLPDVNLIGEHSDAELGRMLQLILGCAVNCEQKQEYIQAIM  
 MMEESVQHVVMTAIQELMSKESPVSAAGHDAYVDLDRQLKKTTEELNEALSEKEEIAQRCHELDMQVAAL  
 Q  
 EEKSSLLAENQILMERLNQSDSIEDPNPAGRRHLQLQTQLEQLQEETFRLEAAKDDYRIRCEELEKEIS  
 ELRQQNDELTTLADEAQLKDEIDVLRHSSDKVSKLEGQVESYKKKLEDGLRRQVKLLEEKNTMYMQN  
 TVSLEELRKANAARGQLETYKRQVVELQNRSLDESKKADKLDFEYKRLKEKVDGLQKEKDRLRTERDSL  
 KETIEELRCVQAQEGQLTTQGLMPLGSQESSDSLAAEIVTPEIREKLIRLQHENKMLKLNQEDSDNEKIA  
 LLQSLDDANLRKNELETENRLVNQRLLEVQSQVEELQKSLQDQGSKAEDAISVLLKKLEEHLEKLHEA  
 NNELQKKRAIEDLEPRFNNSSLRIEELQEALRKKEEMKQMEERYKKYLEKAKSVIRTLDPKQNQGAAP  
 EIQALKNQLQERDRLFHSLEKEYEKTQSQRDMEEKYIVSAWYNMGMTLHKAAEDRLASTGSGQSFLARQ  
 RQATSTRRSYPGHVQPATAR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	83.5 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
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.


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<b>Storage:</b>	Store at -80°C after receiving vials.
<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>	<u><a href="#">NP_997542</a></u>
<b>Locus ID:</b>	320191
<b>UniProt ID:</b>	<u><a href="#">Q8BUK6</a></u>
<b>RefSeq Size:</b>	12836
<b>Cytogenetics:</b>	8 A2
<b>RefSeq ORF:</b>	2160
<b>Synonyms:</b>	5830454D03Rik; AI317159; E330005F07Rik
<b>Summary:</b>	<p>Component of the FTS/Hook/FHIP complex (FHF complex). The FHF complex may function to promote vesicle trafficking and/or fusion via the homotypic vesicular protein sorting complex (the HOPS complex). May regulate clearance of endocytosed receptors such as MSR1. Participates in defining the architecture and localization of the Golgi complex (By similarity). Serves as a target for the spiC protein from Salmonella typhimurium, which inactivates it, leading to a strong alteration in cellular trafficking (PubMed:12950921). Acts as an adapter protein linking the dynein motor complex to various cargos and converts dynein from a non-processive to a highly processive motor in the presence of dynactin. Facilitates the interaction between dynein and dynactin and activates dynein processivity (the ability to move along a microtubule for a long distance without falling off the track) (By similarity).[UniProtKB/Swiss-Prot Function]</p>