

## Product datasheet for **TP302517M**

### **HOOK1 (NM\_015888) Human Recombinant Protein**

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human hook homolog 1 (Drosophila) (HOOK1), 100 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC202517 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MEETQPPPQPKLPLCDSLMIWLQTFNTASPCQDVKQLTSGVAMAQVLHQIDAAWFNESWLSRIKEDVG  
DN  
WRIKASNVKKVLQGIMSYHFLGQQISEALIPDLNQITECDPVELGRLLQLILGCAINCEKKQEHQIN  
IMTLEESVQHVMATAIQELMSKEILSSPPNDVGELEQQLKRALEELQEALAEKEELRQRCEELDMQVTT  
LQDEKNSLVSENNEMNEKLDQLDGSFDDPNTVAKKYFHAQLQLEQLQEENFRLEAAKDDYRVHCEELE  
K  
QLIEFQHRNDELTS LAEETRALKDEIDVLRATSDKANKLESTVEIYRQKLQDLNDRKQVKT LQETNMMY  
MHNTVSLEEELKKANAARTQLETYKRQVQDLHVKLSSSESKRADTLAFEMKRLEEKHEALLKEKERLIEQR  
DTLKETNEELRCSQVQDHLNQTDASATKSYENLAAEIMPVEYREVFI RLQHENKMLRLQQEGSENERIE  
ELQEQLQKHKRMNELETEQRLSKERIRELQQQIEDLQKSLQEQGSKSEGSSSKLKQKLEAHMEKLTEV  
HEELQKKQELIEDLQPDINQNVQKINELEAALQKKDEDMKAMEERYKMYLEKARNVIKTLDPKLNPAE  
IMLLRKQLAEKERRIEILESECKVAKFRDYEEKLIVSAWYNKSLAFQKLGME SRLVSGGGACSDTGACTP  
ARSFLAQQRHITNTRRNLSVKVPATTSD

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 84.5 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

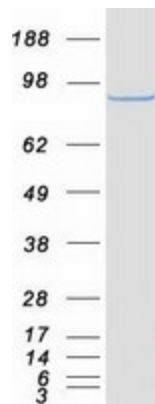
**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<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_056972</a>
<b>Locus ID:</b>	51361
<b>UniProt ID:</b>	<a href="#">Q9UJC3</a>
<b>RefSeq Size:</b>	5865
<b>Cytogenetics:</b>	1p32.1
<b>RefSeq ORF:</b>	2184
<b>Synonyms:</b>	HK1
<b>Summary:</b>	This gene encodes a member of the hook family of coiled-coil proteins, which bind to microtubules and organelles through their N- and C-terminal domains, respectively. The encoded protein localizes to discrete punctuate subcellular structures, and interacts with several members of the Rab GTPase family involved in endocytosis. It is thought to link endocytic membrane trafficking to the microtubule cytoskeleton. Several alternatively spliced transcript variants have been identified, but the full-length nature of some of these variants has not been determined. [provided by RefSeq, Jul 2008]

## Product images:



Coomassie blue staining of purified HOOK1 protein (Cat# [TP302517]). The protein was produced from HEK293T cells transfected with HOOK1 cDNA clone (Cat# [RC202517]) using MegaTran 2.0 (Cat# [TT210002]).