

Product datasheet for TP511169

Lig1 (NM_001083188) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse ligase I, DNA, ATP-dependent (Lig1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR211169 protein sequence Red =Cloning site Green =Tags(s)

MQRSIMSFQPTKEGKAKKPEKETPSSIREKEPPPVALKERNQVWPESDSPVKRTGRKVAQVLSCEGED
EDEAPGTPKVQKPVSDSEQSSPPSPDTCPENSPVFNCSPPMDISPSGFPKRRTARKQLPKRTIQDTLEEQ
NEDKTKTAKKRKKEETPKESLAEAEADVKQKEEKEGDQLIVPSEPTKSPESVTLTKTENIPVCKAGVKLK
PQEEEQSKPPARGAKTLSSFFTPRPAVKTEVKQEEESGTLRKEETKGTLDPANYNPSKNNYHPIEDACWK
HGQKVPFLAVARTFEKIEEVSARLKMVETLSNLLRSVVALSPPDLLPVLYLSLNLGPPQQGLELGVGDG
VLLKAVAQATGRQLESIRAEVAEKGDVGLVAENSRSTQRLMLPPPPLTISGVFTKFCDIARLTGSASMAK
KMDIIKGLFVACRHSEARYIARSLSGRLRLGLAEQSVLAALAAQAVSLTPPGQEFPTAVVDAGKGTAEAR
KMWLEEQGMILKQTFCEVPDLDRIPVLEHGLERLPEHCKLSPGVLPKPLAHPTRGVSEVLKRFEEDV
FTCEYKYDGRQRAQIHVLEGGVVKIFSRNQEDNTGKYPDIISRIPKIKHPSVTSFILDEAVAWDREKKQI
QPFQVLTRKRKEVDASEIQVQVCLYAFDLIYLNQESLVRQPLSRRRQLLRENFVETEGEFVFTSLDTK
DTEQIAEFLEQSVKDSCEGLMVKTLVDVATYEIAKRSHNWLKLLKDYLDGVDLTLVIGAYLGRGKRA
GRYGGFLLAAYDEESEELQAICKLGTGFSDEELEEHHQSLQALVLPTRPYVRIDGAVAPDHWLDPISIW
EVKCADLSLSPIYPAARGLVDKEKGISLRFPRFIRVRKDKQPEQATTNSQVASLYRKQSQIQNQSSDLD
SDVEDY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	102.2 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



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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 after receiving vials.
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:	NP_001076657
Locus ID:	16881
UniProt ID:	Q3U4X8 , Q8R055
RefSeq Size:	3186
Cytogenetics:	7 7.82 cM
RefSeq ORF:	2751
Synonyms:	AL033288; LigI
Summary:	DNA ligase that seals nicks in double-stranded DNA during DNA replication, DNA recombination and DNA repair.[UniProtKB/Swiss-Prot Function]