

Recombinant Human LIG1 protein, GST-tagged

Cat. No. LIG1-3175H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LIG1 protein(P18858)(1-919aa), fused to N-terminal GST tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-919aa
Form	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Molecular Mass	128.7 kDa
AA Sequence	MQRSIMSFHPPKKEGKAKKPEKEASNSSRETEPPPKAALKEWNGVVSESDSPVKRP GRKAARVLGSEGEEDDEALSPAKGQKPALDCSQVSPPRPATSPENNASLSDTSPM DSSPSGIPKRRRTARKQLPKRTIQEVLEEQSEDEDREAKRKKEEEEEETPKESLTEAE VATEKEGEDGDQPTTPPKPLKTSKAETPTESVSEPEVATKQELQEEEEQTKPPRRA PKTLSSFFTPRKPAVKKEVKEEPEGAPGKEGAAEGPLDPSGYNPAKNNYHPVEDAC WKPGQKVPYLAVARTFEKIEEVSARLRMVETLSNLLRSVVALSPDLLPVLYLSLNHL GPPQQGLELGVDGVLLKAVAQATGRQLESVRAEAAEKGDVGLVAENSRSTQRLM LPPPPLTASGVFSKFRDIARLTGSASTAKKIDIIKGLFVACRHSEARFIARSLSGRLRL GLAEQSVLAALSQAVSLTPPGQEFPPAMVDAGKGKTAEARKTWLEEQGMILKQTFC

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EVPDLDRIIPVLEHGLERLPEHCKLSPGIPLKPMLAHPTRGISEVLKRFEAAFTCEY
 KYDGGQRAQIHLEGGEVKIFSRNQEDNTGKYPDIISRIPKIKLPSVTSFILDTEAVAWD
 REKKQIQPFQVLTRKRKEVDASEIQVQVCLYAFDLIYLNAGESLVREPLSRRRQLLRE
 NFVETEGEFVFATSLDTKDIEQIAEFLEQSVKDSCEGLMVKTLDVDATYEIAKRSHNW
 LKLKKDYLDGVDGDTLDLVVIGAYLGRGKRAGRYGGFLLASYDEDSEELQAICKLGTG
 FSDEELEEHHQSLKALVLPSPRPYVRIDGAVIPDHWLDPSAVWEVKCADLSLSPIYP
 AARGLVDSKIGISLRFPRFIRVREDKQPEQATTSAQVACLYRKQSQIQNQGEDSG
 SDPEDTY

Purity Greater than 90% as determined by SDS-PAGE.

Storage Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.

Reconstitution Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%.

GENE INFORMATION

Gene Name [LIG1 ligase I, DNA, ATP-dependent \[Homo sapiens \]](#)

Official Symbol [LIG1](#)

Synonyms LIG1; ligase I, DNA, ATP-dependent; DNA ligase 1; polydeoxyribonucleotide synthase [ATP] 1; MGC117397; MGC130025;

Gene ID [3978](#)

mRNA Refseq [NM_000234](#)

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Protein Refseq	NP_000225
MIM	126391
UniProt ID	P18858

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