

Recombinant Human LIG3 protein, GST-tagged

Cat. No. LIG3-3683H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LIG3 protein(254-390 aa), fused to GST tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	254-390 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 100mM GSH.
AA Sequence	CDPRHKDCLLREFRKLCAVADNPSYNTKTQIIQDFLRKGSAGDGFHGDVYLTVKLL LPGVIKTVYNLNDKQIVKLFSRIFNCNPDDMARDLEQGDVSETIRVFFEQSKSFPPAA KSLTIQEVDEFLLRLSKLTKE
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.
Reconstitution	Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.

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Reconstitution with 200 µl 50% glycerol solution is recommended for longer term storage.

GENE INFORMATION

Gene Name	LIG3 ligase III, DNA, ATP-dependent [Homo sapiens]
Official Symbol	LIG3
Synonyms	LIG3; ligase III, DNA, ATP-dependent; LIG2, ligase II, DNA, ATP dependent; DNA ligase 3; ligase II, DNA, ATP-dependent; polydeoxyribonucleotide synthase [ATP] 3; LIG2;
Gene ID	3980
mRNA Refseq	NM_002311
Protein Refseq	NP_002302
MIM	600940
UniProt ID	P49916

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