

Recombinant Escherichia coli gyrA protein, His-tagged

Cat. No. gyrA-4239E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Escherichia coli gyrA protein(P0AES4)(2-875aa), fused to N-terminal His tag, was expressed in E. coli.
Species	E.coli
Source	E.coli
ProteinLength	2-875aa
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	101.0 kDa
AA Sequence	SDLAREITPVNIEEELKSSYLDYAMSVIVGRALPDVRDGLKPVHRRVLYAMNVLGND W NKAYKKSARVVG DVIGKYHPHGDWAVYDTIVRMAQPFSRLRYMLVDGQGNFGSID GDSAAAMRYTEIRLAKIAHELMADLEKETVDFVDNYDGTKEIPDVMPTKIPNLLVNGS SGIAVG MATNIPPHNLTEVINGCLAYIDDEDISIEGLMEHIPGPDFPTAAIINGRRGIEE AYRTGRGKVYIRARAEVEVDAKTGRETIIVHEIPYQVNKARLIEKIAELVKEKRVEGISA LRDESDKDGMRIVIEVKRDAVGEVVLNNLYSQTQLQVSFGINMVALHHGQPKIMNLK DIIAAFVRHRREVVTTRTIFELRKARDRAHILEALAVANIDPIIELIRHAPTPAEAKTA LVANPWQLGNVAAMLERAGDDAARPEWLEPEFGVRDGLYYLTEQQAQAILDLRLQ KLTGLEHEKLLDEYKELLDQIAELLRILGSADRLMEVIREELELVREQFGDKRRTEITA

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NSADINLEDLITQEDVVVTLSHQGYVKYQPLSEYEAQRRGGKGKSAARIKEEDFIDRL
 LVANTHDHILCFSSRGRVYSMKVYQLPEATRGRGRPIVNLLPLEQDERITAILPVTE
 FEEGVKVFMATANGTVKKTVLTEFNRLRTAGKVAIKLVDGDELIGVDLTSGEDEVML
 FSAEGKVVRFKESSVRAMGCNTTGVRGIRLGEGDKVSLIVPRGDGAILTATQNGY
 GKRTAVAEYPTKSRATKGVISIKVTERNGLVVGAVQVDDCDQIMMITDAGTLVRTRV
 SEISIVGRNTQGVILIRTAEDENVVGLQRVAEPVDEEDLDTIDGSAAEGDDEIAPEVDV
 DDEPEEE

Purity Greater than 85% 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%.

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