

Recombinant Escherichia coli O157:H7 recG protein, His-SUMO-tagged

Cat. No. recG-4514E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Escherichia coli O157:H7 recG protein(Q8XD86)(1-693aa), fused to N-terminal His tag and SUMO tag, was expressed in E. coli.
Species	E.coli
Source	E.coli
ProteinLength	1-693aa
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	89.4 kDa
AA Sequence	MTGRLLDAVPLSSLTGVGAAALSNKLAKINLHTVQDLLHLPLRYEDRTHLYPIGELLP GUYATVEGEVLNLCNISFGGRRMMTCQISDGSGLTMRFFNFSAAMKNSLATGRRVL AYGEAKRGKYGAEMIHPEYRVQGDLPSTPELQETLTPVYPTTEGVKQATLRKLTDQA LDLLDTCAIEELLPELSQGMMLTPEALRTLHRPPPTLQLSDLETGQHPAQRRILEE LLAHNLSMLALRAGAQRFAHQPLSANDALKNKLLAALPFKPTGAQARVVAEIERDMA LDVPMMLRVQGDVGSGLTLVAALAALRAIAHGKQVALMAPTELLAEQHANNFRNWF EPLGIEVGWLAGKQKGKARLSQQEAIASGQVQMIVGTHAIFQEQQVQFNGLALVIIDE QHRFGVHQRLALWEKGQQQGFHQLIMTATPIPRTLAMTAYADLDTVIDELPPG RTPVTTVAIPDTRRTDIIDRVRHACITEGRQAYWVCTLIEESELLEAQAAEATWEEKL

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ALPELVGLVHGRMKPAEKQAVMASFKQGELHLLVATTVIEVGVDVPNASLMIENP
ERLGLAQLHQLRGRVGRGAVASHCVLLYKTPLSKTAQIRLQVLRDSNDGFVIAQKDL
EIRGPGELLGTRQTGNAEFKVADLLRDQAMIPEVQRLARHIHERYPQQAALIERWM
PETERYSNA

Purity

Greater than 85% as determined by SDS-PAGE.

Storage

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

Reconstitution

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.

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