

Recombinant Human ORC1 protein, GST-tagged

Cat. No. ORC1-322H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ORC1 protein(Q13415)(1-861aa), fused with N-terminal GST tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-861aa
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	123.6 kDa
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	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. 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.

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AA Sequence

MAHYPTRLKTRKTYSWVGRPLLDRLHYQTYREMCVKTEGCSTEIHIQIGQFVLIEG
 DDDENPYVAKLLELFEDDSDPPPCKKRRARVQWFVRFCEVPACKRHLLGRKPGAQEIF
 WYDYPACDSNINAETIIGLVRVIPLAPKDVVPTNLKNEKTLFVKLSWNEKKFRPLSSEL
 FAELNKPQESAACQKPVRAKSKSAESPSWTPAEHVAKRIESRHSASKSRQTPTHP
 LTPRARKRLELGNLGNPQMSQQTSCASLDSPGRIKRKVAFSEITSPSKRSQPDKLQT
 LSPALKAPEKTRETGLSYTEDDKKASPEHRIILRTRIAASKTIDIREERTLTPISGGQRS
 SVVPSVILKPENIKKRDAKEAKAQNEATSTPHRIRRKSSVLTMNIRQQLRFLGNSKS
 DQEEKEILPAAEISDSSSDEEEASTPPLPRRAPRTVSRNLRSSLKSSLHTLTKVPKKS
 LKPRTPRCAAPQIRSRSLAAQEPASVLEEARLRLHVSAPESLPCREQEFQDIYNFV
 ESKLLDHTGGCMYISGVPGTGKTATVHEVIRCLQQAQANDVPPFQYIEVNGMKLTE
 PHQVYVQILQKLTGQKATANHAAELLAKQFCTRGSPQETTVELLDLLWTHKQDI
 MYNLFDWPTHKEARLVVLAIAINTMDLPERIMMNRVSSRLGLTRMCFQPYTYSQLQQ
 ILRSRLKHLKAFEDDAIQLVARKVAALSGDARRCLDICRRATEICEFSQQKPDSPGLV
 TIAHSMEAVDEMFSSSYITAIKNSSVLEQSFLRAILAEFRSGLEEATFQQIYSQHVAL
 CRMEGLPYPTMSETMAVCSHLGSCRLLLVESRNDLLLVRNLNVSQDDVLYALKDE

GENE INFORMATION

Gene Name **ORC1** origin recognition complex, subunit 1 [Homo sapiens]

Official Symbol **ORC1**

Synonyms

ORC1; origin recognition complex, subunit 1; ORC1L, origin recognition complex,
 subunit 1 (yeast homolog) like , origin recognition complex, subunit 1 homolog (S.
 cerevisiae) , origin recognition complex, subunit 1 like (yeast); origin recognition
 complex subunit 1; HSORC1; origin recognition complex 1; origin recognition
 complex; subunit 1; S. cerevisiae; homolog like; PARC1; replication control protein 1;
 origin recognition complex, subunit 1-like; origin recognition complex, subunit 1
 homolog; ORC1L;

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Gene ID	4998
mRNA Refseq	NM_001190818
Protein Refseq	NP_001177747
MIM	601902
UniProt ID	Q13415

SDS-PAGE
