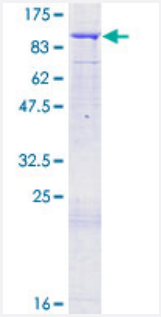
Full-Length

ORC3L (Human) Recombinant Protein (P01)

Catalog # H00023595-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ORC3L full-length ORF (NP_862820.1, 1 a.a. - 712 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MATSSMSKGCFVFKPNSKKRKISLPIEDYFNKGKNEPEDSKLRFETYQLIWQQMKSENERLQEEL NKNLFDNLIEFLQKSHSGFQKNSRDLGGQIKLREIPTAALVLGVNVTDHDLTFGSLTEALQNNVTPY VVSLQAKDCPDMKHFLQKLISQLMDCCVDIKSKEEESVHVTQRKTHYSMDSLSSWYMTVTQKTD PKMLSKKRTTSSQWQSPPVVVILKDMESFATKVLQDFIIISSQHLHEFPLILIFGIATSPIIIHRLLPHAV SSLLCIELFQSLSCKEHLTTVLDKLLLTTQFPFKINEKVLQVLTNIFLYHDFSVQNFIKGLQLSLLEHF YSQPLSVLCCNLPEAKRRINFLSNNQCENIRRLPSFRRYVEKQASEKQVALLTNERYLKEETQLLL ENLHVYHMNYFLVLRCLHKFTSSLPKYPLGRQIRELYCTCLEKNIWDSEEYASVLQLLRMLAKDEL MTILEKCFKVFKSYCENHLGSTAKRIEEFLAQFQSLDAETKEEEDASGSQPKGLQKTDLYHLQKS LLEMKELRRSKKQTKFEVLRENVVNFIDCLVREYLLPPETQPLHEVVYFSAAHALREHLNAAPRIA LHTALNNPYYYLKNEALKSEEGCIPNIAPDICIAYKLHLECSRLINLVDWSEAFATVVTAAEKMDANS ATSEEMNEIIHARFIRAVSELELLGFIKPTKQKTDHVARLTWGGC
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	108.7
Interspecies Antigen Sequence	Mouse (79); Rat (82)
Preparation Method	*in vitro* wheat germ expression system

Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — ORC3L

Entrez GeneID	23595
GeneBank Accession#	NM_181837.1
Protein Accession#	NP_862820.1
Gene Name	ORC3L
Gene Alias	LAT, LATHEO, ORC3
Gene Description	origin recognition complex, subunit 3-like (yeast)
Omim ID	604972
Gene Ontology	Hyperlink
Gene Summary	The origin recognition complex (ORC) is a highly conserved six subunits protein complex essential for the initiation of the DNA replication in eukaryotic cells. Studies in yeast demonstrated that ORC binds specifically to origins of replication and serves as a platform for the assembly of additional initiation factors such as Cdc6 and Mcm proteins. The protein encoded by this gene is a subunit of the ORC complex. Studies of a similar gene in Drosophila suggested a possible role of this protein in neuronal proliferation and olfactory memory. Alternatively spliced transcript variants encoding distinct isoforms have been reported for this gene. [provided by RefSeq

Other Designations	OTTHUMP00000016835|OTTHUMP00000040611|homolog of latheo, Drosophila|origin recognition complex, subunit 3

Pathway

- Cell cycle

Disease

- Genetic Predisposition to Disease