

Recombinant Full Length Human ERAL1 Protein, GST-tagged

Cat. No. ERAL1-4355HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ERAL1 full-length ORF (AAH19094, 1 a.a. - 437 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	437 amino acids
Description	The protein encoded by this gene is a GTPase that localizes to the mitochondrion. The encoded protein binds to the 3' terminal stem loop of 12S mitochondrial rRNA and is required for proper assembly of the 28S small mitochondrial ribosomal subunit. Deletion of this gene has been shown to cause mitochondrial dysfunction, growth retardation, and apoptosis. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2015]
Molecular Mass	73.81 kDa
AA Sequence	MAAPSWRGARLVQSVLRVWQVGPHVARERVIPFSSLLGFQRRCVSCVAGSAFSGP RLASASRSNGQGSALDHFLGFSQPDSSVTPCVPVAVSMNRDEQDVLLVHHDPMPEN SRVLRVVLLGAPNAGKSTLSNQLLGRKVFPVSRKVHTTRCQALGVITEKETQVILLDT PGIISPGKQKRHHLELSLLEDPWKSMESADLVVVLVDVSDKWTRNQLSPQLLRCLTK YSQIPSVLVMNKVDCLKQKSVLLELTAALTEGVVNGKKLKMQRQAFHSHPGTHCPSP AVKDPNTQSVGNPQRIGWPHFKEIFMLSALSQEDVKTLKQYLLTQAQPGPWEYHSA VLTSQTPEEICANIIREKLLLEHLPQEVYPYVQKTAWVEEGPGGELVIQKLLVPKES

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

YVKLLIGPKGHVISQIAQEAGHDLMDIFLCDVDIRLSVKLLK

Applications

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

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

[ERAL1 Era G-protein-like 1 \(E. coli\) \[Homo sapiens \]](#)

Official Symbol

[ERAL1](#)

Synonyms

ERAL1; Era G-protein-like 1 (E. coli); Era (E. coli G protein homolog) like 1; GTPase Era, mitochondrial; HERA B; CEGA; hERA; ERA-W; ERA-like protein 1; conserved ERA-like GTPase; GTP-binding protein era homolog; era (E. coli G-protein homolog)-like 1; GTPase, human homolog of E. coli essential cell cycle protein Era; ERA; H-ERA; ERAL1A; HERA-A; HERA-B;

Gene ID

[26284](#)

mRNA Refseq

[NM_005702](#)

Protein Refseq

[NP_005693](#)

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MIM	607435
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UniProt ID	O75616
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