

Recombinant Human ERAL1 Protein, GST-tagged

Cat. No. ERAL1-3438H **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	Wheat Germ
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	MAAPSWRGARLVQSVLRVWQVGPHVARERVIPFSSLLGFQRRVCVAGSAFSGP RLASASRSNGQGSALDHFLGFSQPDSSVTPCVPVAVSMNRDEQDVLLVHHPDMPEN SRVLRVLLGAPNAGKSTLSNQLLGRKVFPVSRKVHTTRCQALGVITEKETQVILLDT PGIISPGKQKRHHLELSLLEDPWKSMESADLVVVLVDVSDKWTRNQLSPQLLRCLTK YSQIPSVLVMNKVDCLKQKSVLLELTAALTEGVVNGKKLKMQRQAFHSHPGTHCPSP AVKDPNTQSVGNPQRIGWPHFKEIFMLSALSQEDVKTLKQYLLTQAQPGPWEYHSA VLTSQTPEEICANIIREKLLLEHLPQEVYPYVQKTAWEEGPGGELVIQQKLLVPKES YVKLLIGPKGHVISQIAQEAGHDLMDIFLCDVDIRLSVKLLK

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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
MIM	607435

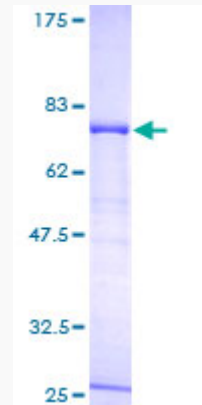
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UniProt ID

O75616

**Quality Control
Testing**

12.5% SDS-PAGE Stained with Coomassie Blue.

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