

Recombinant Human GLE1 Protein, GST-tagged

Cat. No. GLE1-4952H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GLE1 full-length ORF (AAH30012.1, 1 a.a. - 698 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene encodes a predicted 75-kDa polypeptide with high sequence and structure homology to yeast Gle1p, which is nuclear protein with a leucine-rich nuclear export sequence essential for poly(A)+RNA export. Inhibition of human GLE1L by microinjection of antibodies against GLE1L in HeLa cells resulted in inhibition of poly(A)+RNA export. Immunofluorescence studies show that GLE1L is localized at the nuclear pore complexes. This localization suggests that GLE1L may act at a terminal step in the export of mature RNA messages to the cytoplasm. Two alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Molecular Mass	106.3 kDa
AA Sequence	MPSEGRWCWETLKALRSSDKGRLCYYRDWLLRREDVLEECMSLPKLSSYSGWVVEH VLPHMQENQPLSETSPSSTSASALDQPSFVPKSPDASSAFSPASPATPNGTKGKDE SQHTESMVLQSSRGIKVEDCVRMYELVHRMKGTEGLRLWQEEQERKVQALSEMAS EQLKRFDEWKELKQHKFQDLREVMEKSSREALGHQEKLKAEHRHRRAKILNLKLRE AEQQRVKQAEQERLRKEEGQIRLRALYALQEEMLQLSQQLDASEQHKALLKVDLAA

 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

FQTRGNQLCSLISGII RASSESSYPTAESQAE AERALREMRDLLMNLGQEITRACEDK
 RRQDEEEAQVKLQEAQM QQGPEAHKEPPAPSQGP GKGQNE DLQVKVQDITMQWY
 QQLQDASMQC VLT FEGLTNSKDSQAKKIKMDLQKAATIPVSQIST IAGSKLKEIFDKIH
 SLLSGKPVSQSGGRSVSVTLNPQGLDFVQYKLA EKFKVKGEEEVASHHEAAFP IAVV
 ASGIWELHPRVGD LILAH LHKCPYSVPFYPTFKEGMALEDYQRMLGYQVKDSKVE
 QQDNFLKRMSGMIRLYAAIIQLRWPYGNQQEIHPHGLNHGWRWLAQILNMEPLSDV
 TATLLFDFLEVCGNALMKQYQVQFWKMLILIKEDYFPRIEAITSSGQMGSFIRLKQFLE
 KCLQHKDIPV PKGFLTSSFWRS

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

GLE1 GLE1 RNA export mediator homolog (yeast) [Homo sapiens]

Official Symbol

GLE1

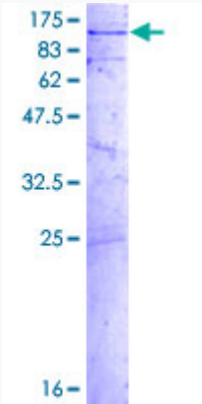
Synonyms

GLE1; GLE1 RNA export mediator homolog (yeast); GLE1 (yeast homolog) like, RNA export mediator, GLE1 RNA export mediator (yeast), GLE1 RNA export mediator like (yeast), GLE1L, LCCS1, lethal congenital contracture syndrome 1; nucleoporin GLE1; hGLE1; GLE1-like protein; GLE1-like, RNA export mediator; LCCS; GLE1L; LCCS1;

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Gene ID	2733
mRNA Refseq	NM_001003722
Protein Refseq	NP_001003722
MIM	603371
UniProt ID	Q53GS7
Quality Control Testing	 12.5% SDS-PAGE Stained with Coomassie Blue.