

Recombinant Full Length Human GLE1 Protein, GST-tagged

Cat. No. GLE1-5327HF 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	In Vitro Cell Free System
ProteinLength	698 amino acids
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	MPSEGRWCWETLKALRSSDKGRLCYRDWLLRREDVLEECMSLPKLSSYSGWVVEH VLPHMQENQPLSETSPSSTSASALDQPSFVPKSPDASSAFSPASPATPNGTKGKDE SQHTESMVLQSSRGIKVEDCVRMYELVHRMKGTEGLRLWQEEQERKVQALSEMAS EQLKRFDEWKELKQHFQDLREVMEKSSREALGHQEKLKAHRHRKILNLKLR

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AEQQRVKQAEQERLRKEEGQIRLRALYALQEEMLQLSQQLDASEQHKALLKVDLAA
 FQTRGNQLCSLISGIIRASSESSYPTAESQAEAEERALREMRDLLMNLGQEITRACEDK
 RRQDEEEAQVKLQEAQMQQGPEAHKEPPAPSQGGKQNEQLQVKVQDITMQWY
 QQLQDASMQCVLTFEGLTNSKDSQAKKIKMDLQKAATIPVSQISTIAGSKLKEIFDKIH
 SLLSGKPVQSGGRSVSVTLNPQGLDFVQYKLAEKFKQGEEEVASHHEAAFPIAVV
 ASGIWELHPRVGDILLAHLHKKCPYSVPFYPTFKEGMALEDYQRMLGYQVKDSKVE
 QQDNFLKRMSGMIRLYAAIIQLRWPYGNQQEIHPHGLNHGWRWLAQILNMEPLSDV
 TATLLDFLEVCGNALMKQYQVQFWKMLILIKEDYFPRIEAITSSGQMGSFIRLKQFLE
 KCLQHKDIPVPGFLTSSFWRS

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

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