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# Product datasheet for PH305354

## GLE1 (NM_001003722) Human Mass Spec Standard

### Product data:

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|---|---|
| **Product Type:** | Mass Spec Standards |
| **Description:** | GLE1 MS Standard C13 and N15-labeled recombinant protein (NP_001003722) |
| **Species:** | Human |
| **Expression Host:** | HEK293 |
| **Expression cDNA Clone or AA Sequence:** | RC205354 |
| **Predicted MW:** | 79.9 kDa |
| **Protein Sequence:** | >RC205354 protein sequence<br>Red=Cloning site Green=Tags(s)<br><br>MPSEGRCWETLKALRSSDKGRLCYYRDWLLRREDVLEECMSLPKLSSYSGWVVEHVLPHMQENQPLSETS<br>PSSTSASALDQPSFVPKSPDASSAFSPASPATPNGTKGKDESQHTESMVLQSSRGIKVEDCVRMYELVHR<br>MKGTEGLRLWQEEQERKVQALSEMASEQLKRFDEWKELKQHKEFQDLREVMEKSSREALGHQEKLKAEHR<br>HRAKILNLKLREAEQQRVKQAEQERLRKEEGQIRLRALYALQEEMLQLSQQLDASEQHKALLKVDLAAFQ<br>TRGNQLCSLISGIIRASSESSYPTAESQAEAERALREMRDLLMNLGQEITRACEDKRRQDEEEAQVKLQE<br>AQMQQGPEAHKEPPAPSQGPGGKQNEDLQVKVQDITMQWYQQLQDASMQCVLTFEGLTNSKDSQAKKIKM<br>DLQKAATIPVSQISTIAGSKLKEIFDKIHSLLSGKPVQSGGRSVSVTLNPQGLDFVQYKLAEKFVKQGEE<br>EVASHHEAAFPIAVVASGIWELHPRVGDLILAHLHKKCPYSVPFYPTFKEGMALEDYQRMLGYQVKDSKV<br>EQQDNFLKRMSGMIRLYAAIIQLRWPYGNQQEIHPHGLNHGWRWLAQILNMEPLSDVTATLLFDFLEVCG<br>NALMKQYQVQFWKMLILIKEDYFPRIEAITSSGQMGSFIRLKQFLEKCLQHKDIPVPKGFLTSSFWRS<br><br>TRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| **Tag:** | C-Myc/DDK |
| **Purity:** | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| **Concentration:** | >0.05 µg/µL as determined by microplate BCA method |
| **Labeling Method:** | Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine |
| **Buffer:** | 25 mM Tris-HCl, 100 mM glycine, pH 7.3 |
| **Storage:** | Store at -80°C. Avoid repeated freeze-thaw cycles. |
| **Stability:** | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| **RefSeq:** | NP_001003722 |
| **RefSeq Size:** | 3350 |

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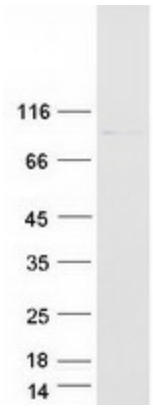
|---|---|
| **RefSeq ORF:** | 2094 |
| **Synonyms:** | CAAHC; CAAHD; GLE1L; hGLE1; LCCS; LCCS1 |
| **Locus ID:** | 2733 |
| **UniProt ID:** | Q53GS7 |
| **Cytogenetics:** | 9q34.11 |
| **Summary:** | This gene encodes a predicted 75-kDa polypeptide with high sequence and structure homology to yeast Gle1p, 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. Immunoflourescence 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, Jul 2008] |

## Product images:




Coomassie blue staining of purified GLE1 protein (Cat# [TP305354]). The protein was produced from HEK293T cells transfected with GLE1 cDNA clone (Cat# [RC205354]) using MegaTran 2.0 (Cat# [TT210002]).