

Product datasheet for PH323722

GEM (NM_005261) Human Mass Spec Standard

Product data:

| | |
|---------------------------------------|---|
| Product Type: | Mass Spec Standards |
| Description: | GEM MS Standard C13 and N15-labeled recombinant protein (NP_005252) |
| Species: | Human |
| Expression Host: | HEK293 |
| Expression cDNA Clone or AA Sequence: | RC223722 |
| Predicted MW: | 33.8 kDa |
| Protein Sequence: | >RC223722 representing NM_005261 Red=Cloning site Green=Tags(s) MTLNNVTMRQGTVGMQPQQRWSIPADGRHLMVQKEPHQYSHRNRHSATPEDHCRRSWSSDSTDSVISSE SGNTYYRVVLIGEQQVVGKSTLANIFAGVHDSMDSCEVLGEDTYERTLMVDGESATIILLDMWENKGENE WLHDHCMQVGDAYLIVYSITDRASFELRIQLRRARQTEDIPIILVGNKSDLVRCREVSVSEGRACA VVFDFCKFIETSAAVQHNVKELFEGIVRQVRLRRDSKEKNERRLAYQKRKESMPRKARRFWGKIVAKNKN MAFKLKSCHDLSVL TRTRPLEQKLI SEEDLAANDILDYKDDDDKV |
| 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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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_005252 |
| RefSeq Size: | 2205 |
| RefSeq ORF: | 888 |
| Synonyms: | KIR |
| Locus ID: | 2669 |



[View online »](#)

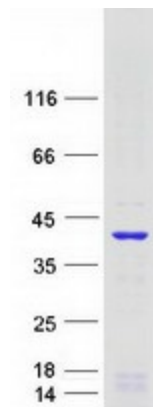
UniProt ID: [P55040](#), [A0A024R9F5](#)

Cytogenetics: 8q22.1

Summary: The protein encoded by this gene belongs to the RAD/GEM family of GTP-binding proteins. It is associated with the inner face of the plasma membrane and could play a role as a regulatory protein in receptor-mediated signal transduction. Alternative splicing occurs at this locus and two transcript variants encoding the same protein have been identified. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified GEM protein (Cat# [TP323722]). The protein was produced from HEK293T cells transfected with GEM cDNA clone (Cat# [RC223722]) using MegaTran 2.0 (Cat# [TT210002]).