Recombinant Human GEM Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. GEM-6467H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GEM MS Standard C13 and N15-labeled recombinant protein (NP_005252) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	33.8 kDa
AA Sequence	MTLNNVTMRQGTVGMQPQQQRWSIPADGRHLMVQKEPHQYSHRNRHSATPEDH CRRSWSSDSTDSVISSESGNTYYRVVLIGEQGVGKSTLANIFAGVHDSMDSDCEVL GEDTYERTLMVDGESATIILLDMWENKGENEWLHDHCMQVGDAYLIVYSITDRASFE KASELRIQLRRARQTEDIPIILVGNKSDLVRCREVSVSEGRACAVVFDCKFIETSAAV QHNVKELFEGIVRQVRLRRDSKEKNERRLAYQKRKESMPRKARRFWGKIVAKNNK NMAFKLKSKSCHDLSVLTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

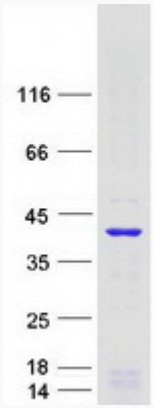
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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	GEM GTP binding protein overexpressed in skeletal muscle [Homo sapiens (human)]
Official Symbol	GEM
Synonyms	GEM; GTP binding protein overexpressed in skeletal muscle; GTP-binding protein GEM; kinase inducible Ras like protein; KIR; RAS-like protein KIR; kinase-inducible Ras-like protein; GTP-binding mitogen-induced T-cell protein; GTP-binding protein overexpressed in skeletal muscle; MGC26294;
Gene ID	2669
mRNA Refseq	NM_005261
Protein Refseq	NP_005252
MIM	600164
UniProt ID	P55040

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SDS-PAGE	

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