

Product datasheet for PH309810

C13orf15 (RGCC) (NM_014059) Human Mass Spec Standard

Product data:

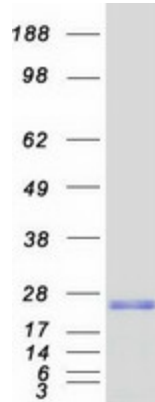
Product Type:	Mass Spec Standards
Description:	C13orf15 MS Standard C13 and N15-labeled recombinant protein (NP_054778)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209810
Predicted MW:	14.6 kDa
Protein Sequence:	>RC209810 protein sequence Red=Cloning site Green=Tags(s) MKQPAAQGSPAAAAAALDSAAAEDLSDALCEFDVLAADFASPFHERHFHYEEHLERMKRRSSASVSD SSGFSDSESADSLYRNSFSFSDEKLNSTDPALLSATVTPQKAKLGDTKLEAFIADLDKTLASM 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_054778
RefSeq Size:	1126
RefSeq ORF:	411
Synonyms:	bA157L14.2; C13orf15; RGC-32; RGC32
Locus ID:	28984
UniProt ID:	Q9H4X1
Cytogenetics:	13q14.11



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Summary:

This gene is thought to regulate cell cycle progression. It is induced by p53 in response to DNA damage, or by sublytic levels of complement system proteins that result in activation of the cell cycle. The encoded protein localizes to the cytoplasm during interphase and to centrosomes during mitosis. The protein forms a complex with polo-like kinase 1. The protein also translocates to the nucleus in response to treatment with complement system proteins, and can associate with and increase the kinase activity of cell division cycle 2 protein. In different assays and cell types, overexpression of this protein has been shown to activate or suppress cell cycle progression. [provided by RefSeq, Jul 2008]

Product images:

Coomassie blue staining of purified RGCC protein (Cat# [TP309810]). The protein was produced from HEK293T cells transfected with RGCC cDNA clone (Cat# [RC209810]) using MegaTran 2.0 (Cat# [TT210002]).