

## Product datasheet for PH308969

### Dymeclin (DYM) (NM\_017653) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	DYM MS Standard C13 and N15-labeled recombinant protein (NP_060123)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208969
Predicted MW:	76 kDa
Protein Sequence:	>RC208969 protein sequence Red=Cloning site Green=Tags(s)

MGSNSSRIGDLPKNEYLKKLSGTESISENDPFWNQLLSFSFPAPTSSSELKLEEATISVCRSLVENNPR  
TGNL GALIKVFLSRTKELKLSAECQNHIFIWQTHNALF IICLLKVFICQMSEELQLHFTYEKSPGNY  
SSDSEDLLEELL CCLMQLITDIPLLDITYEISVEAISTMVVFLSCQLFHKEVLRQSI SHKYLMRGPCLPY  
TSKLVKTL LYNFIRQEKPPPPGAHVFPQQSDGGGLLYGLASGVATGLWTVFTLGGVGSKAAASPELSSPL  
ANQSL LLLLVL ANLTDASDAPNPYRQA IMSFKNTQDSSPFPSSIPHAFQINFNSLYTALCEQQTSDQATL  
LLYTLLHQNSNIRTYMLARTDMENLVLP ILEILYHVEERNSHHVYMALI ILLILTEDYGFNRSIHEVILK  
NITWYSERVLTEISLGSLLILV VIRTIQYNMTRTRDKYLHTNCLAALANMSAQFRSLHQYAAQRIISLFS  
LLSKKHNVLEQATQSLRGLSSNDVPLPDYAQDLNVIEEVIRMMLEIINSCLTNSLHHNPNLVYALLYK  
RDLFEQFRTHPSFQDIMQNDLVISFFSRL LQAGAELSERVLEI IKQGVVALPKDRLKKFPELKFYK  
EEEQPEEFFIPYVWSLVYNSAVGLYWNPDQIQ LFTMDS

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- 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:	<u><a href="#">NP_060123</a></u>
RefSeq Size:	2628

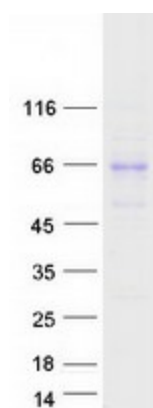


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RefSeq ORF:	2007
Synonyms:	DMC; SMC
Locus ID:	54808
UniProt ID:	<a href="#">Q7RTS9</a>
Cytogenetics:	18q21.1

**Summary:** This gene encodes a protein which regulates Golgi-associated secretory pathways that are essential to endochondral bone formation during early development. This gene is also believed to play a role in early brain development. This gene is widely expressed in embryos and is particularly abundant in chondrocytes and brain tissues. It encodes a peripheral membrane protein which shuttles between the cytosol and Golgi complex. Mutations in this gene are associated with two types of recessive osteochondrodysplasia: Dyggve-Melchior-Clausen (DMC) dysplasia and Smith-McCort (SMC) dysplasia. [provided by RefSeq, Jun 2017]

### Product images:



Coomassie blue staining of purified DYM protein (Cat# [TP308969]). The protein was produced from HEK293T cells transfected with DYM cDNA clone (Cat# [RC208969]) using MegaTran 2.0 (Cat# [TT210002]).