

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

Cat. No. DYM-3667H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	DYM MS Standard C13 and N15-labeled recombinant protein (NP_060123) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	76 kDa
AA Sequence	MGSNSSRIGDLPKNEYLKLSGTESISENDPFWNQLLSFSFPAPTSSSELKLLLEEATI SVCRLSVENNPRTGNLALIKVFLSRTKELKLSAECQNHIFIWQTHNALFIICLLKVFI CQMSEEEQLHFTYEEKSPGNYSSDSEDLLLEELLCCLMQLITDIPLLDITYEISVEAIST MVFVFLSCQLFHKEVLRQSISHKYLMRGPCLPYTSKLVKTLTYNFIRQEKPPPPGAHV FPQQSDGGGLLYGLASGVATGLWTVFTLGGVGSKAAASPELSSPLANQSLLLLLVL

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

ANLTDASDAPNPYRQAIMSFKNTQDSSPFPSSIPHAFQINFNSLYTALCEQQTSDQA
 TLLYTLHQNINRTYMLARTDMENLVLPILYHVEERNSHHVYMALIILLITDYG
 FNRSIHEVILKNITWYSERVLTEISLGSLLILVVIRTIQYNMTRTRDKYLHTNCLAALAN
 MSAQFRSLHQYAAQRIISLFSLLSKKHNVLEQATQSLRGSLSNDVPLPDYAQDLN
 VIEEVIRMMLEIINSLTNSLHHNPNLVYALLYKRDLEQFRTHPSFQDIMQNIDLVISF
 FSSRLQAGAELSVERVLEIIKQGVVALPKDRLKKFPELKFKYVEEEQPEEFFIPYVW
 SLVYNSAVGLYWNPQDIQLFTMDSDTTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

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 DYM dymeclin [Homo sapiens (human)]

Official Symbol DYM

Synonyms DYM; dymeclin; DMC; FLJ20071; SMC; dyggve-Melchior-Clausen syndrome protein; FLJ90130;

Gene ID 54808

mRNA Refseq NM_017653

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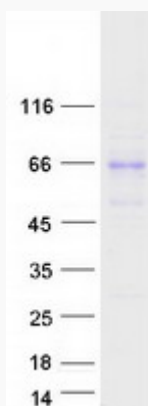
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Protein Refseq NP_060123

MIM 607461

UniProt ID Q7RTS9

SDS-PAGE



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