

Recombinant Full Length Human DYM Protein, GST-tagged

Cat. No. DYM-4139HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DYM full-length ORF (BAG52319.1, 1 a.a. - 669 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	669 amino acids
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. [provided by RefSeq, Jun 2017]
Molecular Mass	102.3 kDa
AA Sequence	MGSNSSRIGDLPKNEYLKKLSGTESISENDPFWNQLLSFSFPAPTSSSELKLLLEEATI SVCRLSVENNPRTGNLALIKVFLSRTKELKLSAECQNHIFIWQTHNALFIICLLKVFI CQMSEEEELQLHFTYEEKSPGNYSSDSEDLLLEELLCLMQLITDIPLLDITYEISVEAIST MVVFLSCQLFHKEVLRQSISHKYLMRGPCLPYTSKLVKTLTYNFIRQEKPPPPGAHV FPQQSDGGGLLYGLASGVATGLWTVFTLGGVGSKAAASPELSSPLANQSLLLLLVL

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ANLTDASDAPNPYRQAIMSFKNTQDSSPFPSSIPHAFQINFNSLYTALCEQQTSDQA
 TLLYTLHQNNSIRTYMLARTDMENLVLPILYHVEERNSSHVYMALIILLITEDDG
 FNRSIHEVILKNITWYSERVLTEISLGSLILVVIRTIQYNMTRTRDKYLHTNCLAALAN
 MSAQFRSLHQYAAQRIISLFSLLSKKHNVLEQATQSLRGSLSNDVPLPDYAQDLN
 VIEEVIRMMLEIINSLTNSLHHNPNLVYALLYKRDLEQFRTHPSFQDIMQNIDLVISF
 FSSRLQAGAELSVERVLEIIKQGVVALPKDRLKKFPELKFYVEEEQPEEFFIPYVW
 SLVYNSAVGLYWNPQDIQLFTMDSD

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

DYM dymeclin [[Homo sapiens](#)]

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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Protein Refseq	NP_060123
MIM	607461
UniProt ID	Q7RTS9

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