

Recombinant Human DAAM1 Protein, His-tagged

Cat. No. DAAM1-671H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DAAM1(Met1~Tyr250) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1~Tyr250
Description	Cell motility, adhesion, cytokinesis, and other functions of the cell cortex are mediated by reorganization of the actin cytoskeleton and several formin homology (FH) proteins have been associated with these processes. The protein encoded by this gene contains two FH domains and belongs to a novel FH protein subfamily implicated in cell polarity. A key regulator of cytoskeletal architecture, the small GTPase Rho, is activated during development by Wnt/Fz signaling to control cell polarity and movement. The protein encoded by this gene is thought to function as a scaffolding protein for the Wnt-induced assembly of a disheveled (Dvl)-Rho complex. This protein also promotes the nucleation and elongation of new actin filaments and regulates cell growth through the stabilization of microtubules. Alternative splicing results in multiple transcript variants encoding distinct proteins.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	32.2kDa

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Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others

GENE INFORMATION

Gene Name	DAAM1 dishevelled associated activator of morphogenesis 1 [Homo sapiens]
Official Symbol	DAAM1
Synonyms	DAAM1; dishevelled associated activator of morphogenesis 1; disheveled-associated activator of morphogenesis 1; KIAA0666; FLJ41657;
Gene ID	23002
mRNA Refseq	NM_014992
Protein Refseq	NP_055807

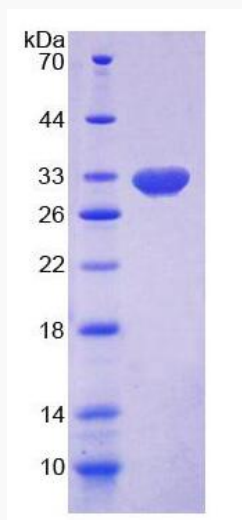
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MIM 606626

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