

Recombinant Full Length Human DAAM1 Protein, C-Flag-tagged

Cat. No. DAAM1-1134HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human DAAM1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	123.3 kDa
AA Sequence	MAPRKRGGRGISFIFCCFRNNDHPEITYRLRNDNFALQTMEPALPMPPEELDVMF

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SELVDELDLTDKH REAMFALPAEKKWQIYCSKKKDQEENKGATSWPEFYIDQLNSM
AARKSLLALEKEEEEEERSKTIESLKTA LRTKPMRFVTRFIDLDGLSCILNFKTMDYET
SESRIHTSLIGCIKALMNNSQGRAHVLAHSESINVIAQ SLSTENIKTKVAVLEILGAVCL
VPGGHKKVLQAMLHYQKYASERTRFQTLINDLDKSTGRYRDEVSLKTA IMSFINAVL
SQGAGVESLDLRLHLYEFLMLGIQPVIDKLREHENSTLDRHLDFFEMLRNEDELEF
AKRF ELVHIDTKSATQMFELTRKRLTHSEAYPHFMSILHHCLQMPYKRSGNTVQYW
LLLDRIQQIVIQNDKGQ DPDSTPLENFNIKNVVRMLVNENEVKQWKEQAEKMRKEH
NELQQKLEKKERECDAKTQEKEEMMQTLNKM KEKLEKETTEHKQVKQVADLTAQ
LHELSSRAVCASIPGGPSPGAPGGPFSSVPGSLLPPPPPPPLPGG MLPPPPPPPLP
PGGPPPPPGPPPLGAIMPPPGAPMGLALKKKSIPQPTNALKSFNWSKLPENKLEGT
VWTE IDDTKVFKILDLEDLERTFSAYQRQQDFFVNSNSKQKEADAIDDTLSSKLKVK
ELSVIDGRRQAQNCNILL SRLKLSNDEIKRAILTMDEQEDLPKDMLEQLLKVFPEKSDI
DLLEEHKHELDMAKADRFLFEMSRINHY QQRLQSLYFKKKFAERVAEVKPKVEAIR
SGSEEVFRSGALKQLLEVVLAFGNMKNKGQRGNAYGFKISSL NKIADTKSSIDKNITL
LHYLITIVENKYPSVLNLNEELRDIPQAAKVNMTELDKEISTLRSGLKAVETEL EYQKS
QPPQPGDKFVSVVSQFITVASFSFSDVEDLLAEAKDLFTKAVKHFGEEAGKIQPDEF
FGIFDQFL QAVSEAKQENENMRKKKEEEEERRARMEAMLKEQRRERERKMRKAKENS
EESGEFDDLVSALRSGEVFDKDL
SKLKRNRKRITNQMTDSSRERPITKLNFTTRTRPLEQKLISEEDLAANDILDYKDDDDK
V

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.

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Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Pathways	Wnt signaling pathway
Full Length	Full L.

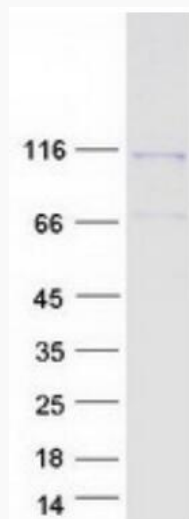
GENE INFORMATION

Gene Name	DAAM1 dishevelled associated activator of morphogenesis 1 [Homo sapiens (human)]
Official Symbol	DAAM1
Synonyms	FLJ41657; KIAA0666
Gene ID	23002
mRNA Refseq	NM_014992.2
Protein Refseq	NP_055807.1
MIM	606626
UniProt ID	Q9Y4D1

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Coomassie blue staining of purified DAAM1 protein.

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