

Recombinant Human DAAM1, GST-tagged

Cat. No. DAAM1-11811H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DAAM1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	715-1068a.a.
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.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM

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GSH and 1% Triton X-100,15%glycerol.

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
MIM	606626
UniProt ID	Q9Y4D1
Chromosome Location	14q22.3
Pathway	Noncanonical Wnt signaling pathway, organism-specific biosystem; Wnt Signaling Pathway NetPath, organism-specific biosystem; Wnt signaling pathway, organism-specific biosystem; Wnt signaling pathway, conserved biosystem;
Function	Rho GTPase binding; actin binding; binding;

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