

Recombinant Human MAML1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MAML1-3627H Lot. No. (See product label)

SPECIFICATION

Product Overview

MAML1 MS Standard C13 and N15-labeled recombinant protein (NP_055572) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

Description

This protein is the human homolog of mastermind, a Drosophila protein that plays a role in the Notch signaling pathway involved in cell-fate determination. There is in vitro evidence that the human homolog forms a complex with the intracellular portion of human Notch receptors and can increase expression of a Notch-induced gene. This evidence supports its proposed function as a transcriptional co-activator in the Notch signaling pathway.

Molecular Mass

107.9 kDa

AA Sequence

MVLPTCPMAEFALPRHSVMERLRRRIELCRRHHSTCEARYEAVSPERLELERQHT
 FALHQRCIQAKAKRAGKHRQPPAATAPAPAAPAPRLDAADGPEHGRPATHLHDTVK
 RNLDSATSPQNGDQQNGYGDLFPGHKKTRREAPLGVAISSNGLPPASPLGQSDKP
 SGADALQSSGKHSGLDSLNNKRLADSSLHLNNGGSPSESFPLSLNKELKQEPVED
 LPCMITGTVGSISQSNLMPDLNLNEQEWKELIEELNRSVPDEDMKDLFNEDFEEKD
 PESSGSATQTPLAQDINIKTEFSPAAFEQEQLGSPQVRAGSAGQTFLGPSSAPVSTD
 SPSLGGSQTLFHTSGQPRADNPSPNLMPASAQAQNAQRALAGVVLPSQGGPASE

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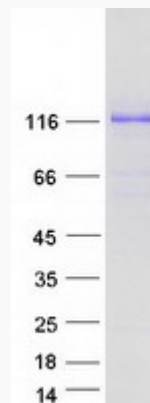
LSSAHQLQQIAAKQKREQMLQNPQQATPAPAPGQMSTWQQTGPSHSSLDVPYPM
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 SANNQGSVLDYGNTKPLSHYKADCGQGSPGSGQSKPALMAYLPQQLSHISHEQNS
 LFLMKPKPGNMPFRSLVPPGQEQNPSSVPVQAQATSVGTQPPAVSVASSHNSSPY
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 QATNGHAHIPRQTNVGQNTSVSAAYGQNSLGSGLSQQHNGKGLNPLGLTKPPVPR
 VSPAMGGQNSSWQHQQGMPNLSGQTPGNSNVSPFTAASSFHMQQQAHLKMSSPQ
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 TDLIDSLLNRTSEEWMSDLDDLLGSQTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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	MAML1 mastermind like transcriptional coactivator 1 [Homo sapiens (human)]
Official Symbol	MAML1
Synonyms	MAML1; mastermind-like 1 (Drosophila); mastermind (drosophila) like 1; mastermind-

like protein 1; KIAA0200; Mam 1; mastermind homolog; Mam1; Mam-1; FLJ53540;

Gene ID 9794**mRNA Refseq** NM_014757**Protein Refseq** NP_055572**MIM** 605424**UniProt ID** Q92585**SDS-PAGE** 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