

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 SGADALQSSGKHSGLDSLNNKKRLADSSLHLNGGSPSESFPLSLNKKELKQEPVED LPCMITGTVGSISQSNLMPDLNLNEQEWKELIEELNRSVPDEDMKDLFNEDFEEKKD PESSGSATQTPLAQDINIKTEFSPAAFEQEQLGSPQVRAGSAGQTFGLGPSSAPVSTD SPSLGGSQTLFHTSGQPRADNPSPNLMPASAQAQNAQRALAGVVLPSQGPGGASE

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LSSAHQLQQIAAKQKREQMLQNPQQATPAPAPGQMSTWQQTGPSHSSLDVPYPM
 EKPASPSSYKQDFTNSKLLMMPSVNKSSPRPGGPYLQPSHVNLLSHQPPSNLNQN
 SANNQGSVLDYGNTKPLSHYKADCGQGSPGSGQSKPALMAYLPQQLSHISHEQNS
 LFLMKPKPGNMPFRSLVPPGQEONPSSVPVQAQATSVGTQPPAVSVASSHNSSPY
 LSSQQQAAMVKQHQLLLDQQKQREQQQKHLQQQQFLQRQQHLLAEQEKQQFQR
 HLTRPPPQYQDPTQGSFPQQVGQFTGSSAAVPGMNTLGPSNSSCPRVFPQAGNL
 MPMGPGHASVSSLPTNSGQQDRGVAQFPGSQNMPQSSLYGMASGITQIVAQPPP
 QATNGHAHIPRQTNVGQNTSVSAAYGQNSLGSGLSQQHNGKGTLPGLTKPPVPR
 VSPAMGGQNSSWQHQQGMPNLSGQTPGNSNVSPFTAASSFHMQQQAHLKMSSPQ
 FSQAVPNRPMAPMSSAAAVGSLLPPVSAQQRTSAPAPAPPPTAPQQGLPGLSPAG
 PELGAFSQSPASQMGGGRAGLHCTQAYPVRTAGQELPFAYSGQPGGSGLSVAGH
 TDLIDSLKLNRTSEEWMSDLDDLLGSQTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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-

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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



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