

Recombinant Human ADAM11 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ADAM11-5276H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ADAM11 MS Standard C13 and N15-labeled recombinant protein (NP_002381) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the ADAM (a disintegrin and metalloprotease) protein family. Members of this family are membrane-anchored proteins structurally related to snake venom disintegrins, and have been implicated in a variety of biological processes involving cell-cell and cell-matrix interactions, including fertilization, muscle development, and neurogenesis. The encoded preproprotein is proteolytically processed to generate the mature protease. This gene represents a candidate tumor suppressor gene for human breast cancer based on its location within a minimal region of chromosome 17q21 previously defined by tumor deletion mapping. Alternative splicing results in multiple transcript variants, at least one of which encodes an isoform that is proteolytically processed.
Molecular Mass	83.2 kDa
AA Sequence	MRLRRWAF AALLSLLPTPGLGTQGPAGALRWGGLPQLGGPGAPEVTEPSRLVR ESSGGEVRKQQLDTRVRQEPPGGPPVHLAQVSFVIPAFNSNFTLDLELNHHLLSSQ YVERHFSREGTTQHSTGAGDHCYYQGKLRGNPHSFAALSTCQGLHGVFSDGNLTY

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IVEPQEVAGPWGAPQGGLPHLIYRTPLLPDPLGCREPGCLFAVPAQSAPPNRPRLR
 RKRQVRRGHPTVHSETKYVELIVINDHQLFEQMRQSVVLTSNFAKSVVNLADVYKE
 QLNTRIVLVAMETWADGDKIQVQDDLLETARLMVYRREGLPEPSDATHLFSGRTFQ
 STSSGAAYVGGICSLSHGGGVNEYGNMGAMAVTLAQTLGQNLGMMWNKHRSSAG
 DCKCPDIWLG CIMEDTGFYLPKFSRCSIDEYNQFLQEGGGSCLFNKPLKLLDPPEC
 GNGFVEAGEECDGSGVQEC SRAGGNCKKCTLTHDAMCSDGLCCRRCKYEPGRGV
 SCREAVNECDIAETCTGDSSQCPPNLHKLDGYCDHEQGRCYGGRCRCKTRDRQCQ
 VLWGHAAADRFCYEKLNVEGTERGSCGRKSGWVQCSKQDVLGFLLCVNISGAP
 RLGDLVGDISSVTFYHQKELDCRGGHVQLADGSDLSYVEDGTACGPNMLCLDHR
 CLPASAFNFSTCPGSGERRICSHHGVCSNEGKCICQPDWTGKDCSIHNPLPTSPPT
 GETERYKGPSGTNIIIGSIAGAVLVAAIVLGGTGWGFKNIRRRGRSGGATRTRPLEQKLI
 SEEDLAANDILDYKDDDDKV

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 ADAM11 ADAM metallopeptidase domain 11 [Homo sapiens (human)]

Official Symbol ADAM11

Synonyms ADAM11; ADAM metallopeptidase domain 11; a disintegrin and metalloproteinase

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domain 11, MDC; disintegrin and metalloproteinase domain-containing protein 11; metalloproteinase like; disintegrin like; cysteine rich protein; ADAM 11; MDC;

Gene ID

4185

mRNA Refseq

NM_002390

Protein Refseq

NP_002381

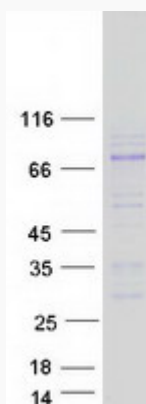
MIM

155120

UniProt ID

O75078

SDS-PAGE



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