

Recombinant Full Length Human ADAM11 Protein, C-Flag-tagged

Cat. No. ADAM11-734HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human ADAM11 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	83.2 kDa
AA Sequence	MRLRRWAF AALLLSLLPTPGLGTQGPAGALRWGGLPQLGGPGAPEVTEPSRLVRESSGGEVRKQQLDTR VRQEPPGGPPVHLAQVSVFIPAFNSNFTLDLELNHHLLSSQ

 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

YVERHFSREGTTQHSTGAGDHCYYQGKLR GNPHSFAALSTCQGLHGVFSDGNLT
 YIVEPQEVAGPWGAPQGPLPHLIYRTPLLPDPLGCREPGCLFAVP AQSAPPNRPRL
 RRRKRQVRRGHPTVHSETKYVELIVINDHQLFEQMRQSVVLTSNFAKSVVNLADVIYK
 EQ LNTRIVLVAMETWADGDKIQVQDDLLETARLMVYRREGLPEPSDATHLFSGR
 FQSTSSGAAAYVGGICS LSHGGGVNEYGNMGAMAVTLAQTGQNLGMMWVNHRS
 SAGDCKCPDIWLGCMEDTGFYLPRKFSRCSID EYNQFLQEGGGSCLFNKPLKLLD
 PPEGNGFVEAGEEEDCGSVQECSRAGGNCKKCTLTHDAMCSDGLC CRRCKY
 EPRGVSCREAVNECDIAETCTGDSSQCPPNLHKLDGYYCDHEQGRCYGGRCRTRD
 RQCQVLWGH AAADRFCYEKLNVEGTERGSCGRKGGVQCSKQDVLCGFLLCV
 NISGAPRLGDLVGDISSVTFYHQGKE LDCRGGHVQLADGSDLSYVEDGTACGPNM
 LCLDHRCLPASAFNFSTCPGSGERRICSHHGVCVSNKGCIC QPDWTGKDCSIHNPL
 PTSPTGETERYKGPSGTNIIIGSIAGAVLVAAIVLGGTGWGFKNIRRRGRSGGATRTR
 PLEQKLISEEDLAANDILDYKDDDDKV

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.

Preparation Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Protein Families Druggable Genome, Transmembrane

Full Length Full L.

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GENE INFORMATION

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

Official Symbol ADAM11

Synonyms MDC

Gene ID 4185

mRNA Refseq NM_002390.6

Protein Refseq NP_002381.2

MIM 155120

UniProt ID O75078

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