

## Recombinant Human ADAM15 Protein, GST-tagged

**Cat. No.** ADAM15-276H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human ADAM15 full-length ORF ( NP_997074.1, 1 a.a. - 772 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Description</b>      | <p>The protein encoded by this gene is a member of the ADAM (a disintegrin and metalloproteinase) protein family. ADAM family members are type I transmembrane glycoproteins known to be involved in cell adhesion and proteolytic ectodomain processing of cytokines and adhesion molecules. This protein contains multiple functional domains including a zinc-binding metalloprotease domain, a disintegrin-like domain, as well as a EGF-like domain. Through its disintegrin-like domain, this protein specifically interacts with the integrin beta chain, beta 3. It also interacts with Src family protein-tyrosine kinases in a phosphorylation-dependent manner, suggesting that this protein may function in cell-cell adhesion as well as in cellular signaling. Multiple alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq, Jul 2008]</p> |
| <b>Molecular Mass</b>   | 110.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>AA Sequence</b>      | MRLALLWALGLLGAGSPLPSWPLPNIGGTEEQQAESKAPREPLEPQVLQDDLPISL<br>KKVLQTSLEPLRIKLELDGDSHILELLQNRELVPGRPTLVWYQPDGTRVVSEGHTL<br>ENCCYQGRVRGYAGSWVSICTCSGLRGLVVLTPERSYTLQGPGLQGPPIISRIQD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

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LHLPGHTCALSWRESVHTQKPPEHPLGQRHIRRRRDVVTETKTVELVIVADHSEAQ  
 KYRDFQHLLNRTLEVALLLDTFFRPLNVRVALVGLAWTQRDLVEISPNPAVTLENFL  
 HWRRRAHLLPRLPHDSAQLVTGTSTFSGPTVGMAIQNSICSPDFSGGVNMDHSTSILG  
 VASSIAHELGHSLGLDHDLPGNPCPGPAPAKTCIMEASTDFLPGLNFSNCSRRAL  
 EKALLDGMGSCFLFERLPSLPPMAAFCGNMFVEPGEQCDGFLDDCVDPCCDSLTC  
 QLRPGAQCASDGPCCQNCQLRPSGWQCRPTRGDCDLPEFCPGDSSQCPPDVSL  
 GDGEPCAGGQAVCMHGRCASYAQQCQSLWGPQAQPAAPLCLQTANTRGNAFGS  
 CGRNPSGSYVSCTPRDAICGQLQCQTGRTQPLLGSIRDLLWETIDVNGTELNCSWV  
 HLDLGSDVAQPLLTLPGTACGPGLVCIDHRCQRVDLLGAQECSRKCHGHGVCDNS  
 RHCYCEEGWAPPDCTTQLKATSSLTTGLLLSLLVLLVLMGASYWYRARLHQRLC  
 QLKGPCTCQYSLRGQPSHPQGSCLPTPRAGAHRTCPAQGLSRP

**Applications**

Enzyme-linked Immunoabsorbent Assay  
 Western Blot (Recombinant protein)  
 Antibody Production  
 Protein Array

**Notes**

Best use within three months from the date of receipt of this protein.

**Storage**

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer**

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name**

ADAM15 ADAM metalloproteinase domain 15 [ Homo sapiens ]

**Official Symbol**

ADAM15

**Synonyms**

ADAM15; ADAM metalloproteinase domain 15; a disintegrin and metalloproteinase domain 15 (metargidin); disintegrin and metalloproteinase domain-containing protein

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15; MDC15; metargidin; MDC-15; ADAM 15; metalloprotease RGD disintegrin protein; metalloproteinase-like, disintegrin-like, and cysteine-rich protein 15;

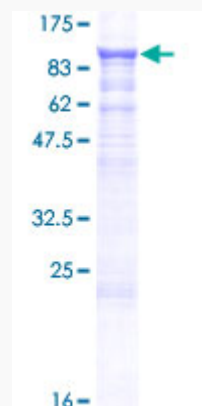
**Gene ID** 8751

**mRNA Refseq** NM\_003815

**Protein Refseq** NP\_003806

**MIM** 605548

**UniProt ID** Q13444



12.5% SDS-PAGE Stained with Coomassie Blue.

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