

## Recombinant Human ADM Protein, GST-tagged

**Cat. No.** ADM-362H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human ADM full-length ORF (BAG35740.1, 1 a.a. - 185 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Description</b>      | The protein encoded by this gene is a preprohormone which is cleaved to form two biologically active peptides, adrenomedullin and proadrenomedullin N-terminal 20 peptide. Adrenomedullin is a 52 aa peptide with several functions, including vasodilation, regulation of hormone secretion, promotion of angiogenesis, and antimicrobial activity. The antimicrobial activity is antibacterial, as the peptide has been shown to kill <i>E. coli</i> and <i>S. aureus</i> at low concentration. [provided by RefSeq, Aug 2014] |
| <b>Molecular Mass</b>   | 46.75 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>AA Sequence</b>      | MKLVSVALMYLGSLAFLGADTARLDVASEFRKKWKNKWALSRGKRELRMSSSYPTG<br>LADV KAGPAQTLIRPQDMKGASRSPEDSSPDAAIRIVKRYRQSMNNFQGLRSFGC<br>RFGTCTVQKLAHQIYQFTDKDKDNVAPRSKISPQGYGRRRRRSLPEAGPGRTLVS<br>KPQAHGAPAPPSGSAPHFL                                                                                                                                                                                                                                                                                                                           |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production                                                                                                                                                                                                                                                                                                                                                                                                                                 |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

### Protein Array

|                       |                                                                          |
|-----------------------|--------------------------------------------------------------------------|
| <b>Notes</b>          | Best use within three months from the date of receipt of this protein.   |
| <b>Storage</b>        | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing. |
| <b>Storage Buffer</b> | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |

## GENE INFORMATION

|                        |                                                |
|------------------------|------------------------------------------------|
| <b>Gene Name</b>       | ADM adrenomedullin [ Homo sapiens ]            |
| <b>Official Symbol</b> | ADM                                            |
| <b>Synonyms</b>        | ADM; adrenomedullin; AM; preproadrenomedullin; |
| <b>Gene ID</b>         | 133                                            |
| <b>mRNA Refseq</b>     | NM_001124                                      |
| <b>Protein Refseq</b>  | NP_001115                                      |
| <b>MIM</b>             | 103275                                         |
| <b>UniProt ID</b>      | P35318                                         |

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