

## ADGRE2 protein

Human ADGRE2 full length protein-synthetic nanodisc

CATALOG #  
**AAA47623**

HOST  
**HEK293**

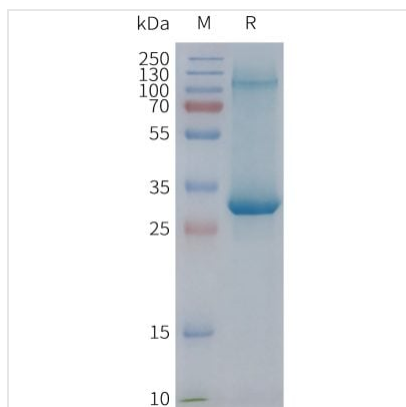
### PRODUCT SYNONYMS

ADGRE2; Human ADGRE2 full length protein-synthetic nanodisc; CD97; CD312; EMR2; VBU; ADGRE2 protein

### PRODUCT SPECIFICATIONS

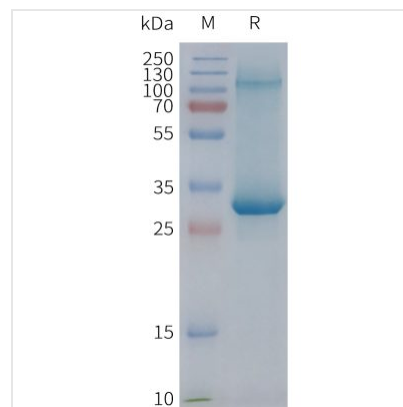
|                         |                                                                                                                                                                                                                                |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | HEK293                                                                                                                                                                                                                         |
| Form/Format             | Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions. |
| Preparation and Storage | Store at -20 degree C to -80 degree C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80 degree C (Avoid repeated freezing and thawing).                |

### IMAGES



#### SDS-PAGE

Figure1. Elisa plates were pre-coated with DYKDDDDK Tag ADGRE2-Nanodisc (0.2ug/per well). Serial diluted anti-DYKDDDDK monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-DYKDDDDK monoclonal antibody binding with ADGRE2-Nanodisc is 3.100ng/ml.



#### ELISA

Figure1. Elisa plates were pre-coated with DYKDDDDK Tag ADGRE2-Nanodisc (0.2ug/per well). Serial diluted anti-DYKDDDDK monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-DYKDDDDK monoclonal antibody binding with ADGRE2-Nanodisc is 3.100ng/ml.

### ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for ADGRE2 protein | This gene encodes a member of the class B seven-span transmembrane (TM7) subfamily of G-protein coupled receptors. These proteins are characterized by an extended extracellular region with a variable number of N-terminal epidermal growth factor-like domains coupled to a TM7 domain via a mucin-like spacer domain. The encoded protein is expressed mainly in myeloid cells where it promotes cell-cell adhesion through interaction with chondroitin sulfate chains. This gene is situated in a cluster of related genes on chromosome 19. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. |
| Product Categories/Family for ADGRE2 protein   | FLP 489; Full Length Transmembrane Proteins                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

### NCBI AND UNIPROT INFORMATION

|           |          |
|-----------|----------|
| NCBI GI # | 23397681 |
|-----------|----------|

|                                  |                                                                         |
|----------------------------------|-------------------------------------------------------------------------|
| NCBI GeneID                      | 30817                                                                   |
| NCBI Accession #                 | NP_038475.2                                                             |
| NCBI GenBank Nucleotide #        | NM_013447.3                                                             |
| UniProt Accession #              | Q9UHX3; Q8NG96; Q9Y4B1; E9PBR1; E9PEL6; E9PFQ5; E9PG91                  |
| Molecular Weight                 | 90,472 Da                                                               |
| NCBI Official Full Name          | EGF-like module-containing mucin-like hormone receptor-like 2 isoform a |
| NCBI Official Synonym Full Names | egf-like module containing, mucin-like, hormone receptor-like 2         |
| NCBI Official Symbol             | EMR2                                                                    |
| NCBI Official Synonym Symbols    | CD312                                                                   |
| NCBI Protein Information         | EGF-like module-containing mucin-like hormone receptor-like 2           |
| UniProt Protein Name             | EGF-like module-containing mucin-like hormone receptor-like 2           |
| UniProt Gene Name                | <b>EMR2</b>                                                             |
| UniProt Entry Name               | EMR2_HUMAN                                                              |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/hek293-protein/adgre2/47623>