

Recombinant Human ADGRE2 protein, His & T7-tagged

Cat. No. ADGRE2-1748H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ADGRE2 aa. (Asn347~Ser509 (Accession # Q9UHX3)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Asn347~Ser509
Description	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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 21.5kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 6.4.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	ADGRE2 adhesion G protein-coupled receptor E2 [Homo sapiens (human)]
Official Symbol	ADGRE2
Synonyms	Car12; carbonic anhydrase 12; carbonic anyhydrase 12; membrane-bound carbonic anhydrase 12
Gene ID	30817
mRNA Refseq	NM_001271052.1

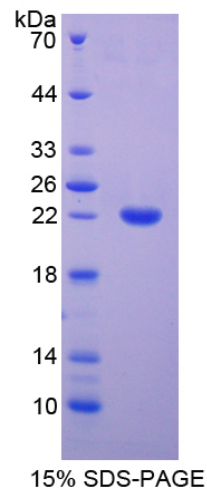
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Protein Refseq NP_001257981.1

UniProt ID Q9UHX3



SDS-PAGE

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