

Recombinant Human EMR1, GST-tagged

Cat. No. EMR1-12443H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human EMR1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.

Species Human

Source E.coli

ProteinLength 32-346a.a.

Description This gene encodes a protein that has a domain resembling seven transmembrane G protein-coupled hormone receptors (7TM receptors) at its C-terminus. The N-terminus of the encoded protein has six EGF-like modules, separated from the transmembrane segments by a serine/threonine-rich domain, a feature reminiscent of mucin-like, single-span, integral membrane glycoproteins with adhesive properties. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Storage The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.

Storage Buffer 1M PBS (58mM Na₂HPO₄, 17mM NaH₂PO₄, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

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Gene Name	EMR1 egf-like module containing, mucin-like, hormone receptor-like 1 [Homo sapiens]
Official Symbol	EMR1
Synonyms	EMR1; egf-like module containing, mucin-like, hormone receptor-like 1; egf like module containing, mucin like, hormone receptor like sequence 1 , TM7LN3; EGF-like module-containing mucin-like hormone receptor-like 1; EMR1 hormone receptor; EGF-like module receptor 1; egf-like module containing, mucin-like, hormone receptor-like sequence 1; TM7LN3;
Gene ID	2015
mRNA Refseq	NM_001256252
Protein Refseq	NP_001243181
MIM	600493
UniProt ID	Q14246
Chromosome Location	19p13.3
Pathway	Class B/2 (Secretin family receptors), organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; GPCRs, Class B Secretin-like, organism-specific biosystem; Signal Transduction, organism-specific biosystem; Signaling by GPCR, organism-specific biosystem;
Function	G-protein coupled receptor activity; calcium ion binding; receptor activity; signal transducer activity;

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