

**GPR77 Blocking Peptide (C-term)**  
Synthetic peptide  
Catalog # BP20046b**Specification****GPR77 Blocking Peptide (C-term) - Product Information**

Primary Accession [Q9P296](#)  
Other Accession [NP\\_060955.1](#)

**GPR77 Blocking Peptide (C-term) - Additional Information**

**Gene ID** 27202

**Other Names**

C5a anaphylatoxin chemotactic receptor 2,  
Complement component 5a receptor 2,  
G-protein coupled receptor 77, C5AR2,  
C5L2, GPR77

**Target/Specificity**

The synthetic peptide sequence is selected from aa 312-325 of HUMAN C5AR2

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**GPR77 Blocking Peptide (C-term) - Protein Information**

**Name** C5AR2

**Synonyms** C5L2, GPR77

**Function**

Receptor for the chemotactic and

**GPR77 Blocking Peptide (C-term) - Background**

The anaphylatoxins C3a (see MIM 120700), C4a (see MIM 120810), and C5a are cationic fragments generated during the complement cascade that participate in host defense. In the case of inappropriate complement activation, anaphylatoxins may be involved in autoimmunity and sepsis. C5L2 is coexpressed with the C5a receptor, C5AR (C5R1; MIM 113995), on polymorphonuclear neutrophils and may modulate C5AR activity (Gerard et al., 2005 [PubMed 16204243]).

**GPR77 Blocking Peptide (C-term) - References**

Bamberg, C.E., et al. J. Biol. Chem. 285(10):7633-7644(2010)  
Cui, W., et al. Mol. Immunol. 46(16):3207-3217(2009)  
Cui, W., et al. Mol. Immunol. 46(15):3086-3098(2009)  
Scola, A.M., et al. Mol. Immunol. 46(6):1149-1162(2009)  
Scola, A.M., et al. J. Biol. Chem. 282(6):3664-3671(2007)

inflammatory C3a, C4a and C5a anaphylatoxin peptides and also for their dearginated forms ASP/C3adesArg, C4adesArg and C5adesArg respectively. Couples weakly to G(i)-mediated signaling pathways.

**Cellular Location**

Cell membrane; Multi-pass membrane protein

**Tissue Location**

Frontal cortex, hippocampus, hypothalamus, pons and liver.

**GPR77 Blocking Peptide (C-term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)