

## CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET

<b>Product name</b>	C5L2, Human, Peptide		
<b>Catalog number</b>	HC2103		
<b>Lot number</b>	-	<b>Expiry date</b>	-
<b>Volume</b>	Reconstitute with 0.1 ml distilled/de-ionized water	<b>Activity</b>	N.A.
<b>Formulation</b>	Lyophilized in PBS	<b>Amount</b>	10 µg
<b>Host Species</b>	Human, peptide	<b>Concentration</b>	N.A.
<b>Endotoxin</b>	N.A.	<b>Purification</b>	N.A.
<b>Storage</b>	4°C	<b>Purity</b>	N.A.

### Application notes

For dilutions use protein stabilized phosphate buffered saline, pH 7.4.

### General Information

<b>Description</b>	The orphan receptor C5L2 (also known as gpr77), which shares 35% amino identity with CD88, is a promiscuous complement fragment-binding protein. C5L2 binds C5a with high affinity. It has a 10-fold higher affinity for C5a desArg than CD88. C5L2 also has an affinity for C4a and C3a, and their metabolites C4a desArg and C3a desArg. C3a binds at a site distinct from the C5a binding site. Unlike other chemoattractant receptors C5L2 couples poorly to the intracellular signaling and internalization machinery. The human C5L2 peptide is a N-terminal peptide (1-23).
<b>References</b>	1. Huber-Lang, M et al; Changes in the novel orphan, C5a Receptor (C5L2), during experimental sepsis and sepsis in humans. J Immunol 2005, 174: 1104
<b>Storage&amp;stability</b>	Lyophilized product should be stored at 4°C. Store stock solution after reconstitution in aliquots at -20°C. Repeated freeze and thaw cycles cause loss of activity. Under recommended storage conditions, product is stable for at least one year.
<b>Precautions</b>	Caution: vial is under vacuum. For research use only. Not for use in or on humans or animals or for diagnostics. It is the responsibility of the user to comply with all local/state and federal rules in the use of this product. Hycult Biotech is not responsible for any patent infringements that might result from the use or derivation of this product.

We hereby certify that the above-stated information is correct and that this product has been successfully tested by the Quality Control Department. This product was released for sale according to the existing specifications. This document has been produced electronically and is valid without a signature.

Approved by Manager of QC  
Robbert Zwinkels

Date  
23/03/2018

Do you have any questions or comments regarding this product? Please contact us via [support@hycultbiotech.com](mailto:support@hycultbiotech.com).