

Product Data Sheet





Product Name *3-D Life* GFOGER-3 Peptide

Catalog Number P12-1

Description The GFOGER amino acid sequence is derived from fibrillar collagens as part of the triple helical building block, promoting cell adhesion through integrin receptors $\alpha1\beta1$ and $\alpha2\beta1$. The *3-D Life* GFOGER-3 Peptide spontaneously forms triple helices similar to those in collagen fibers. The peptide is modified with SH-groups at each end which bind to SH-reactive groups of *3-D Life* polymers. Once hydrogels are formed by crosslinking the polymers with *3-D Life* crosslinkers the immobilized peptide promotes adhesion of cells carrying the appropriate integrin receptors within the gels or on top of gels. For instructions of hydrogel preparations, please consult General Protocol GP-2 "Preparation of *3-D Life* Slow Gelling Hydrogels" and the *3-D Life* Hydrogels User Guide on www.cellendes.com.

Quantity 120 μ l

Material	Quantity	Concentration of reactive groups	Storage
 GFOGER-3 Peptide, lyophilized	120 μ l*	20 mg/ml*	Lyophilisate and after reconstitution: -20°C or lower
 Water	600 μ l	n/a	Room temperature or lower

All materials are filter-sterilized.

* Volume/concentration after reconstitution of lyophilisate

Reconstitution GFOGER Peptide:

1. Briefly centrifuge vial containing the GFOGER Peptide lyophilisate to make sure that the entire product is at the bottom of the reaction tube.
2. Add 115 μ l *3-D Life* Water per tube of GFOGER Peptide to dissolve the peptide at a concentration of 20 mg/ml.
3. Close tube and briefly vortex.
4. Incubate for 5 min.
5. Briefly vortex again and centrifuge.
6. The peptide is now ready for use.

Intended for research use only. Not for use in human therapeutic or diagnostic applications.