

OCEANBOOST™ FG

Regenerative bioactive
for cellular longevity,
inflammaging defense,
and systemic gut-organ
axis support



OCEANBOOST™ is a high-purity ($\geq 85\%$) fucoidan in preclinical testing for cellular longevity and systemic inner-outer beauty.

Derived from invasive *Sargassum* through a patented biorefining process, it provides a standardized, high-quality, and scalable source of fucoidan for the nutraceutical and functional food markets.



PROPOSED NOMENCLATURE: FUCOIDAN [MIN. 85%]
(FROM SARGASSUM NATANS AND/OR SARGASSUM FLUITANS WHOLE PLANT EXTRACT)

REGULATORY APPROVAL PATHWAY

Q3 2026	Completing toxicological & safety data for GRAS application Preclinical Gut-Skin Axis testing complete
Q4 2026	Filing Self-Affirmed GRAS application
Q2 2027	Estimated FDA Approval
Q3 2027	Clinical Testing
Q3 2028	First Commercial Deliveries



PRECLINICAL FINDINGS (IN VITRO)

- Promotes cellular longevity, sustaining NAD⁺ redox balance and SIRT1 activation
- Senomorphic defense, reducing “zombie” cell accumulation, outperforming Resveratrol
- Mitochondrial biogenesis, driving PPARGC1A expression and cellular energy
- Inflammaging mitigation, suppressing targeted pro-inflammatory cytokines
- Improved gut-organ axis integrity by reinforcing the epithelial barrier during acute stress
- Selective SCFA stimulation, producing valerate, a rare longevity & systemic signaling metabolite

STRATEGIC PARTNERSHIP OPPORTUNITIES

Sampling & pilot quantities available now, FOAK facility operational in 2028.

Origin by Ocean is seeking partners for:

- Nutraceutical product development
- Regional distribution
- Regulatory co-development
- Multi-year offtake agreements

ORIGIN^{BY}OCEAN is a Finnish based innovative biotech company dedicated to transform invasive ocean overgrowth into high-performance, bio-based ingredients for cosmetics, personal care, and beyond. By leveraging regenerative innovation, the company delivers scalable, sustainable alternatives to fossil-derived chemicals—proving that ocean restoration can be a commercially viable and competitive advantage.

Partner With Us Now: Samples, technical support and future supply: sales@originbyocean.com