

# Product Data Sheet

Date of Issue: 8 Oct 2021

## 1. Product Information

- Product Name : qFlamma® Black01 Biotin
- Catalog Number : QWB1001
- Packing Unit : 1 mg / 5 mg / 25 mg
- Appearance : Green Solid
- Storage Conditions : Protect from Light at 4°C

## 2. Additional Information

- Fluorophore Label : Flamma® Black01
- Reactive Group : Biotin
- Molecular Weight : 962.08 g/mol
- Excitation<sub>Max</sub> : 484 ± 3 nm
- Emission<sub>Max</sub> : 400 ~800 nm

## 3. Description

qFlamma® Black01 Biotin is an Avidin and Streptavidin reactive form of universal dark quencher that the range of absorption covers from 400 to 800 nm with no native fluorescence. Black01 quencher displays high absorption coefficient, superb stability and aqueous solubility. Biotin-Avidin/Streptavidin binding has high affinity and specificity, which has been exploited for diverse applications in biochemical and biological research fields. We offer qFlamma® Black01 Biotin as suitable dark quencher for designing a variety of activatable probes for affinity chromatography, PCR, in situ nucleic acid hybridization, multiplexed bio-analysis, etc.