

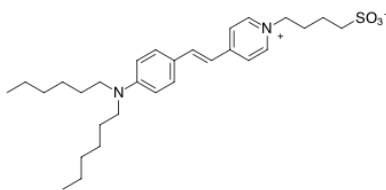
ProteOrange® Protein Gel Stain, 5000x

<http://www.lumiprobe.com/p/proteorange-sypro-orange>

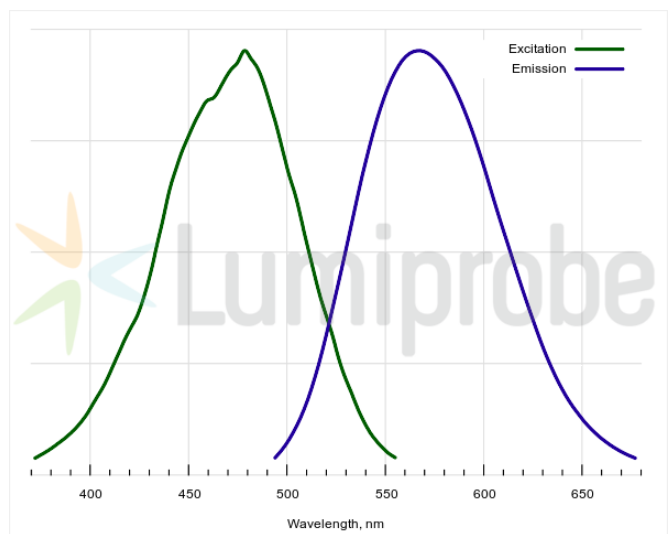
ProteOrange® is a protein-binding dye for staining protein gels, an analog of SYPRO Orange. The fluorophore is a styrene-like zwitterionic dye. It binds proteins selectively in the presence of nucleic acids, polysaccharides, and other molecules. It is also tolerant to SDS and, therefore, can be used for SDS-PAGE gel staining. The dye interacts with the SDS coat around proteins in the gel, giving more consistent staining between different types of proteins than CBB staining and never exhibiting negative staining. It also stains glycoproteins well.

Staining with ProteOrange is about an order of magnitude more sensitive than Coumassie dye staining and allows the detection of about 3 ng of protein per band (30 ng is the detection limit for Coumassie).

ProteOrange is supplied as a 5000x solution in DMSO. 1 mL of the solution is enough to staining around 200 minigels.



Structure of ProteOrange (SYPRO Orange)



Excitation and emission spectra of ProteOrange complex with protein and SDS

General properties

Appearance:	orange solution
Storage conditions:	Storage: 24 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Avoid prolonged exposure to light. Desiccate.
Legal statement:	This Product is offered and sold for research purposes only. It has not been tested for safety and efficacy in food, drug, medical device, cosmetic, commercial or any other use. Supply does not express or imply authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, in the manufacture of food or pharmaceutical products, in medical devices or in cosmetic products.

Spectral properties

Excitation/absorption maximum, nm:	470
Emission maximum, nm:	570