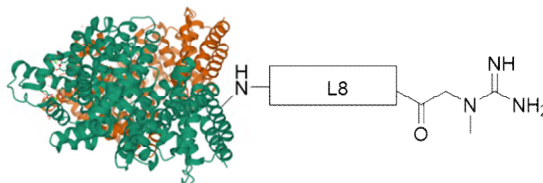


BSA Creatine L8

Buffered solution, 0.5 mg per tube, ≥99% conjugates by SEC HPLC

Product Number: **CM52132-0.5MG**



Product Description

Creatine is an amino acid that has an important role in energy metabolism of cells. It is present either as a free form or creatine phosphate in mammalian tissues such as liver, kidneys, muscle tissue, brain tissue, and blood. Creatine has been used to treat or prevent several neuromuscular conditions. Immunoassay can be a great method of detecting creatine. However, creatine is difficult to modify due to its intrinsic characteristics. In addition, creatine is a very small molecule and is generally very difficult to generate an antibody against and that binds strongly to the protein for detection. CellMosaic's BSA-creatin conjugate is designed with a flexible linker of optimal length (8-atom length, L8) and a labeling chemistry that does not interfere with creatine binding with the antibody. Each lot of the conjugate consists of an optimally loaded BSA (8-15) creatine molecules per BSA molecule as determined by mass spectrometry.

Application

- Suitable for antibody production and creatine assay development.

Key Features of this BSA-Creatine Conjugate

- Frozen liquid in PBS buffer and ready to use
- Flexible long linker and non-interfering labeling chemistry for easy access
- **Optimal loading** with average of 8-15 creatine molecules per BSA for strong binding with low background
- Concentration accurately determined by UV/HPLC
- Loading accurately determined by MS for each lot