

Protein Labelling Market is estimated to be US\$ 4.69 billion by 2030 with a CAGR of 9.6% during the forecast period

Protein Labelling is use of appropriate molecular labels to detect or purify the labelled protein and its binding partners. The main aim of protein labelling is to monitor biological processes, quantification of compounds and detection of protein modifications and isoforms in multiplexed samples, enhancement of detection sensitivity, and simplification of detection workflows. Moreover, fluorescent labeling uses a reactive derivative known as fluorophore. The fluorophore selectively binds to a specific region or functional group on the target molecule and can be attached chemically or biologically. In addition, applications and services and development of proteomics coupled with the development of protein sequencing techniques are the other factors driving the global protein labelling market. Factors such as rise in the incidence of chronic disorders such as cancer and increase in the need for their diagnosis are anticipated to boost demand for protein labelling techniques over the forecast period.

Region Analysis:

In the protein labelling market, the market in North America accounts for the highest revenue share to the global Protein Labelling market due to growing demand for advanced medical technologies and increasing geriatric population. Asia Pacific Protein Labelling market is projected to register a high CAGR over the forecast period owing to quick rise in acceptance of bioengineering technology solutions has also been seen in the region, which in turn is anticipated to drive their usage in the years to come.

Key Development:

- In 2020, Abcam a UK based distributor of protein research tools has signed agreement on and buy Expendeon's Proteomics and Immunological division.
- In 2020, enGenes Biotech had designed project using patented technology enGenes-X-press for site directed incorporation.

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Segmentation:

The global protein labelling market accounted for US\$ 1.89 billion in 2020 and is estimated to be US\$ 4.69 billion by 2030 and is anticipated to register a CAGR of 9.6%. The global protein labelling market is segmented based on product, labelling method, application, and region.

- Based on product, the global protein labelling market is segmented into enzymes, kits and services.
- Based on the labelling method, the target market is segmented into in-vitro labelling and in-vivo labelling.
- Based on application, the target market is bifurcated into cell-based assay, mass spectroscopy, fluorescence microscopy, immunological technique, and protein microarray.

- On region the global protein labelling market is segmented into North America, Europe, Asia Pacific, Latin America, and Middle East & Africa.

Competitive Analysis:

The key players operating the global Protein Labelling market involves SeraCare Life Sciences, Inc., Promega Corporation, F. Hoffmann-La Roche Ltd., Merck KGaA, Thermo Fisher Scientific, Inc., PerkinElmer, Inc., New England Biolabs, Eurogentec S.A., Kaneka Corporation, and Kirkegaard & Perry Laboratories.