

# How do the PTM and Modification filters differ?

Last Modified on 08/04/2021 5:39 pm EDT

In the set of *Protein Specs* filters we designed for protein products in the AI-Assisted Reagent Selection application, you will find two that at first appear similar, **Modification** and **PTM** (post-translational modification). **PTM** relates specifically to modifications of the protein by (but not exclusively):

- Phosphorylation
- Acetylation
- Methylation
- Glycosylation

You can also filter by which specific residue is modified, for example, Lysine 9 of human histone H3.

PTM Type	Count	With Published Figures
Glycosyl	684	1
Acetyl	419	1
Trimethyl	177	0
Monomethyl	176	0
Dimethyl	160	0
Cleaved	115	1
Lysine 9	104	0

**Modification**, however, refers to tags (e.g. His, GST, Fc, etc.), conjugates (e.g. fluorescein, biotin, etc.), or reporter proteins (GFP, alkaline phosphatase, peroxidase) that decorate your protein of interest for purposes related to the experiment.

Supplier Filters

- Availability
- Company
- Protein Specs
  - Protein Type
  - Species
  - Expression System
  - Bioactivity
  - Grade
  - Sequence
  - Domain
  - PTM
  - Modification**
  - Purity
  - Purification Method
  - Formulation

RECOMBINANT PROTEIN

Search Modification

Modification

Protein: Cytokine/Growth Factor, Recombinant Products With Published Figures

Modification	Protein: Cytokine/Growth Factor, Recombinant	Products	With Published Figures
<input type="checkbox"/> His tag	Protein: 100-100-100L0	280.1 K	1.4 K
<input type="checkbox"/> Unconjugated		86.7 K	4.2 K
<input type="checkbox"/> Gst tag	Protein: 100-100-100L0	78.4 K	509
<input type="checkbox"/> Myc tag	Protein: Cytokine/Growth Factor, Recombinant	51.9 K	345
<input type="checkbox"/> Ddk tag	Protein: 100-100-100L0	50.3 K	347
<input type="checkbox"/> Fc tag		27.7 K	373
<input type="checkbox"/> Abp tag	Protein: 100-100-100L0	20.9 K	2

CANCEL APPLY

Please check out our [Guide to Filters for Protein Reagents](#) to learn more about our filters!