Recombinant Mouse IL-16

Source

- **Species** Mouse
- **Gene Symbols** Il16
- **Accession Number** O54824
- **Expressed Region** Ser1205-Ser1322
- **Synonyms** Pro-interleukin-16 [Cleaved into: Interleukin-16 (IL-16) (Lymphocyte chemoattractant factor) (LCF)], Interleukin 16, IL-16.

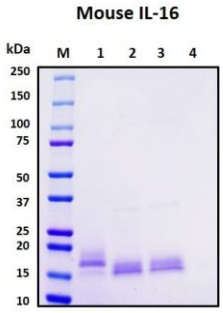
Preparation

- **Expression System** Human embryonic kidney 293 (HEK293) cells
- **Tag** *N*-terminal histidine tag
- **Purification** His-tag affinity purification by immobilized metal ion affinity chromatography (IMAC)
- **Purity** >95%
- **Endotoxin Level** <0.5 EU per µg of the protein as determined by the LAL method
- **Purity determined** By SDS-PAGE under reducing conditions and visualized by Coomassie blue staining
- **Molecular Weight** Recombinant protein has a calculated molecular weight of about 14 kDa. Due to the post-translation modifications, it migrates as approximately 14-20 kDa protein bands in SDS-PAGE under DTT, beta-mercaptoethanol reducing conditions. After deglycosylation under native and denature conditions, the protein sizes slightly decreased. See deglycosylation analysis image below.

Protein Specifications

- **Format** Lyophilized powder
- **Formulation** Lyophilized from a 0.2 µm filtered solution in PBS (pH 7.4)
- **Concentration** Determined by Pierce BCA protein assay
- **SDS-PAGE Image**

Figure 1. Deglycosylation analysis of purified recombinant proteins. The same amount of purified proteins were untreated (Lane 2) or treated with protein deglycosylation enzymes under native (Lane 3) or reducing (Lane 4) conditions. Deglycosylation treatment resulted in a mobility shift of the protein size and indicated the untreated recombinant protein (Lane 2) was glycosylated.
Lane 1, protein standard ladder (kDa).
Lane 2, untreated protein.
Lane 3, treated protein with deglycosylation enzymes under native conditions.
Lane 4, treated protein with deglycosylation enzymes under denature conditions.
Lane 5, deglycosylation enzymes only without target proteins.



Shipping

The product is shipped with ice packs

Storage/Stability

Upon arrival, the lyophilized protein may be stored for 2 weeks at 4°C. For long term storage, it is recommended to store desiccated below -20°C in a manual defrost freezer. Following reconstitution, the protein may be stored for 2 weeks under sterile conditions at -20°C. For long term storage, it is recommended to make appropriate aliquots and store at -80°C. Avoid repeated freeze-thaw cycles.