

Proteinase 3 (PR3), Human Neutrophil recombinant protein
AGP7, C-ANCA antigen, Leukocyte proteinase 3, Neutrophil proteinase 4, P29, Wegener
autoantigen
Catalog # PBV10914r

Specification

Proteinase 3 (PR3), Human Neutrophil recombinant protein - Product info

Primary Accession [P24158](#)
Calculated MW **29 kDa KDa**

Proteinase 3 (PR3), Human Neutrophil recombinant protein - Additional Info

Gene ID **5657**
Gene Symbol **AGP7**
Other Names
AGP7, C-ANCA antigen, Leukocyte proteinase 3, Neutrophil proteinase 4, P29, Wegener autoantigen

Gene Source **Human**
Source **Human Neutrophils**
Assay&Purity **SDS-PAGE; ≥95%**
Assay2&Purity2 **N/A;**
Recombinant **No**
Target/Specificity
AGP7

Format
Frozen

Storage
-80°C; Frozen in 50 mM MES, pH 4.5 with 700 mM NaCl.

Proteinase 3 (PR3), Human Neutrophil recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Proteinase 3 (PR3), Human Neutrophil recombinant protein - Images

Proteinase 3 (PR3), Human Neutrophil recombinant protein - Background

Proteinase 3 is one of the serine proteinases localized in azurophil granules of polymorphonuclear leukocytes. It has been identified as the autoantigen of Wegener granulomatosis, a systemic vasculitis complicated by melanomonocyte proliferation. It exhibits proteolytic activity towards a range of substrates. It is physiologically inhibited by alpha1-antitrypsin. The protein has been described as having antibiotic and growth-promoting properties and causing emphysema when administered by tracheal insufflation.

Proteinase 3 (PR3), Human Neutrophil recombinant protein - References

Labbaye C., et al. Proc. Natl. Acad. Sci. U.S.A. 88:9253-9256(1991).
Grimwood J., et al. Nature 428:529-535(2004).
Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Zimmer M., et al. Proc. Natl. Acad. Sci. U.S.A. 89:8215-8219(1992).
Sturrock A.B., et al. J. Biol. Chem. 267:21193-21199(1992).