10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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 Cytomety
- Cell Culture

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

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

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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 melomonocyte 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).