

□ Cat # RP-818 Recombinant Human C-terminal hemopexin-like domain of MMP-2 (445-635 a.a.)

□ 10 ug

Recombinant Human PEX is a noncatalytic Metalloproteinase Fragment with Integrin Binding Activity and can inhibit cell associated collagenolytic activity both in vitro and in vivo. Moreover, PEX can block angiogenesis and tumor growth in vivo, providing a potentially novel therapeutic approach for diseases associated with neovascularization. The appearance of PEX at sites of neovascularization may not only control normal angiogenesis, but when administered in sufficient quantities, may provide a naturally-occurring therapeutic inhibitor of diseases associated with angiogenesis. PEX is expressed as inclusion bodies in *E. coli* having a molecular mass of 28,453 dalton and subsequently refolded in vitro to get biological activity

**Source:**

*Escherichia Coli*. (>95% pure, Sterile Filtered White lyophilized (freeze-dried) powder in 2mM Tris pH-7.4. It is recommended to reconstitute the rHuPEX in H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Lyophilized rHuPEX although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution rHuPEX should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles. Store in liquid at 4°C for ~1 week or aliquots in suitable size and store at -20°C for long term storage..

**Activity:**

The bioactivity was measured by HMEC cell line, PEX can inhibit the transmembrane activity of HMEC under the stimulation of VEGF.

**Sequence:**

MGLEHSQDPG ALMAPIYTYT KNFRLSQDDI KGIQELYGAS  
PDIDLGTGPT PTLGPVTPEI CKQDIVFDGI AQIRGEIFFF  
KDRFIWRTVT PRDKPMGPLL VATFWPELPE KIDAVYEAPQ  
EEKAVFFAGN EYWIYSASTL ERGYPKPLTS LGLPPDVQRV  
DAAFNWSKNK KTYIFAGDKF WRYNEVKKKM DPGFPKLIAD  
AWNAI PDNLD AVVDLQGGGH SYFFKGAYYL KLENQSLKSV  
KFGSIKSDWLGC

**Usage:** This item is for LABORATORY RESEARCH USE ONLY.

**Related Items**

Catalog# ProdDescription

600-700-HPX	Mouse Hemopexin ELISA kit
610-710-HPX	Rat Hemopexin ELISA kit
610-710-MLC	cat# change to #610-710-HPX; Rat Hemopexin ELISA kit
HPEX11-C	Human Hemopexin purified protein control for Western
HPEX11-S	Anti-Human Hemopexin protein antiserum
HPEX12-S	Anti-Human Hemopexin protein antiserum
HPEX13-M	Monoclonal Anti-Human Hemopexin protein antiserum
HPEX15-N-100	Hemopexin, Human Plasma
HPEX16-A	Anti-Mouse Hemopexin , IgG, aff pure
HPEX16-C	Hemopexin Mouse, purified protein control for Western
HPEX16-N-25	Hemopexin Mouse, purified protein
HPEX17-N-25	Hemopexin Rat, purified protein
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