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## Recombinant Mouse ... Fc-Fusion Protein

Cat No: Pr00164-1.9

### Product Summary

**Description:** Recombinant mouse VISTA Fc-Fusion Protein manufactured using [AbAb's Recombinant Platform](#)

**Protein:** Mouse VISTA

**Fc domain:** Mouse IgG1

**Structure / Form:** Disulfide-linked homodimer

**Species:** Mouse

**Construct Design Note(s):** The extracellular domain of VISTA has been fused to the Fc domain of mouse IgG1.

**Host:** HEK293

**UniProt Accession Number:** Q9D659

**Alternative Description:** V-type immunoglobulin domain-containing suppressor of T-cell activation; Platelet receptor Gi24; V-set domain-containing immunoregulatory receptor; V-set immunoregulatory receptor; VISTA-Ig; VISTA-Fc chimera; VISTA (Fc tag)

**Published Application(s):**

**Tested Applications(s):**

**Activity:** Immunoregulatory receptor which inhibits the T-cell response [PMID:21383057, PubMed:24743150, PubMed:25267631]. May promote differentiation of embryonic stem cells, by inhibiting BMP4 signaling [PMID:20042595]. May stimulate MMP14-mediated MMP2 activation (By similarity) [Uniprot].

### Product Form

**Purification:** IMAC purified

**Supplied in:** 0.1 mg size: PBS with preservative (0.02% Proclin 300), 1 mg size: PBS only.

**Endotoxin:** <1.0 EU/mg

**Shipping:** The product is shipped on blue ice. Upon receipt, store it immediately at the temperature recommended.

**Storage Recommendation:** Store at 4°C for up to 1 month. For longer term storage aliquot in small volumes and store at -20°C. Avoid repeated freeze-thaw cycles.

**SDS PAGE Purity:** >95%, as determined by SDS-PAGE and visualized by Coomassie Brilliant Blue.

**Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals**

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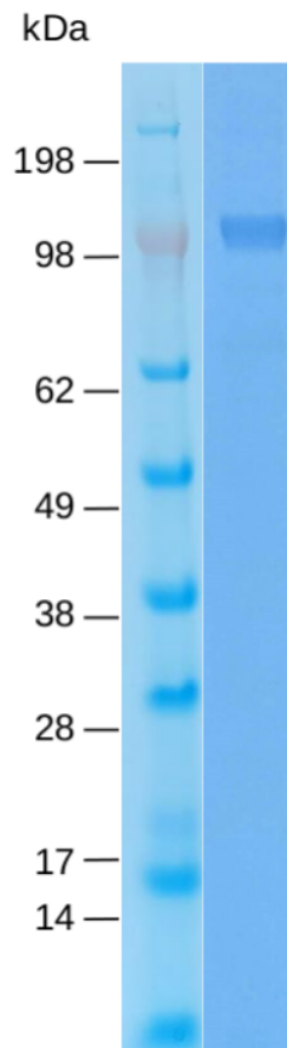
**Fc-Fusion Sequence (monomer)**

AFKVTTPYSLYVCPEGQNATLTCRILGPVSKGHDVTIYKTWYLSSRGEVQMCKEHRPIRNFTLQHLQHGGSHLKANAS  
HDQPQKHGLELASDHHGNFSITLRNVTPRDSGLYCCLVIELKNHHPEQRFYGSMEQLVQAGKGSSTCMASNEQDSD  
SITAGGGGSVPRDQGCKPCICTVPEVSSVFIFPPKPKDVLITLTPKVTCVVVDISKDDPEVQFSWFVDDVEVHTAQTKP  
REEQINSTFRSVSELPIMHQDWLNGKEFKCRVNSAAFPAPIEKTISKTKGRPKAPQVYTIPPPKEQMAKDKVSLTCMITN  
FFPEDITVEWQWNGQPAENYKNTQPIMDTDGSYFVYSKLVQKSNWEAGNTFTCSVLHEGLNHHHTEKSLSHSPGK  
HHHHHH

Underlined amino acids sequence include a G4S linker and 6xHis epitope tag, respectively.

**Calculated Molecular weight (dimer):** 88947 Da

**Extinction coefficient:** 97900 (calculation performed as described by Pace *et al.* (1995), PMID: 8563639).



**VISTA ( Pr00164-1.9) SDS-PAGE.** Pr00164-1.9 under non-reducing conditions resolved by SDS-PAGE and stained using Coomassie-Blue.

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