

Active Recombinant Human KREMEN1, Fc-tagged

Cat. No. KREMEN1-633H **Lot. No.** (See product label)

SPECIFICATION

| | |
|-------------------------|---|
| Product Overview | The recombinant human KREMEN1-Fc fusion is expressed as a 593 amino acid protein consisting of Arg21 - Gly375 region of KREMEN1 (Uniprot Accession #Q96MU8-3) and a C-terminal Fc from human IgG1, which exists as a dimer under non-reducing conditions. |
| Species | Human |
| Source | Human Cells |
| ProteinLength | 21-375 a.a. |
| Form | Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier and preservative free). |
| Bio-activity | Recombinant KREMEN1-Fc binds human Dkk1 with high affinity (apparent KD < 10 nM) |
| Molecular Mass | Calculated molecular mass (kDa): 65.8; Estimated by SDS-PAGE under reducing condition (kDa): 80-90. |
| Endotoxin | <0.1 eu per 1 µg of purified recombinant protein determined by the lal> |
| Purity | >90% judged by SDS-PAGE under reducing condition |
| Storage | The product is shipped at 4°C. Upon receipt, centrifuge the product briefly before |

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opening the vial. It is recommended to store small aliquots at the temperature below -20°C for long-term storage and the product is stable for 3 months. The undiluted protein can be stored at 4°C for no more than 2 weeks. Avoid repeated freeze-thaw cycles.

GENE INFORMATION

| | |
|----------------------------|---|
| Gene Name | KREMEN1 kringle containing transmembrane protein 1 [Homo sapiens] |
| Official Symbol | KREMEN1 |
| Synonyms | KREMEN1; kringle containing transmembrane protein 1; KREMEN, kringle containing transmembrane protein; kremen protein 1; KRM1; dickkopf receptor; kringle-coding gene marking the eye and the nose; kringle domain-containing transmembrane protein 1; kringle-containing protein marking the eye and the nose; KREMEN; FLJ31863; |
| Gene ID | 83999 |
| mRNA Refseq | NM_001039570 |
| Protein Refseq | NP_001034659 |
| MIM | 609898 |
| UniProt ID | Q96MU8 |
| Chromosome Location | 22q12.1 |
| Pathway | Wnt signaling network, organism-specific biosystem; |

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Function

protein binding;

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