

## Active Recombinant Human KREMEN1, Fc-tagged

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

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                           |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | 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. |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                     |
| <b>Source</b>           | Human Cells                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>    | 21-375 a.a.                                                                                                                                                                                                                                               |
| <b>Form</b>             | Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier and preservative free).                                                                                                                                                                               |
| <b>Bio-activity</b>     | Recombinant KREMEN1-Fc binds human Dkk1 with high affinity (apparent KD< 10 nM)                                                                                                                                                                           |
| <b>Molecular Mass</b>   | Calculated molecular mass (kDa): 65.8; Estimated by SDS-PAGE under reducing condition (kDa): 80-90.                                                                                                                                                       |
| <b>Endotoxin</b>        | <0.1 eu per 1 µg of purified recombinant protein determined by the lal>                                                                                                                                                                                   |
| <b>Purity</b>           | >90% judged by SDS-PAGE under reducing condition                                                                                                                                                                                                          |
| <b>Storage</b>          | 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

|                            |                                                                                                                                                                                                                                                                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | KREMEN1 kringle containing transmembrane protein 1 [ Homo sapiens ]                                                                                                                                                                                                                                                               |
| <b>Official Symbol</b>     | KREMEN1                                                                                                                                                                                                                                                                                                                           |
| <b>Synonyms</b>            | 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; |
| <b>Gene ID</b>             | 83999                                                                                                                                                                                                                                                                                                                             |
| <b>mRNA Refseq</b>         | NM_001039570                                                                                                                                                                                                                                                                                                                      |
| <b>Protein Refseq</b>      | NP_001034659                                                                                                                                                                                                                                                                                                                      |
| <b>MIM</b>                 | 609898                                                                                                                                                                                                                                                                                                                            |
| <b>UniProt ID</b>          | Q96MU8                                                                                                                                                                                                                                                                                                                            |
| <b>Chromosome Location</b> | 22q12.1                                                                                                                                                                                                                                                                                                                           |
| <b>Pathway</b>             | Wnt signaling network, organism-specific biosystem;                                                                                                                                                                                                                                                                               |

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**Function**

protein binding;

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