

## Recombinant Human Family With Sequence Similarity 3, Member C, His-tagged

**Cat. No.** FAM3C-6888H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant human FAM3C, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques. MW: 24.5 kDa.                                                                                                                                                                                                                                                                               |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | 25-227aa                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | FAM3C belongs to the FAM3 family and contains a GG domain. A change in expression of this protein has been noted in pancreatic cancer-derived cells. Fam3c may be a downstream target gene for the Nkx5.1 transcription factor, and may thus be involved in cell differentiation and proliferation during inner ear embryogenesis. Also, it may be involved in retinal laminar formation and promotes epithelial to mesenchymal transition. |
| <b>Form</b>             | Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 5mM DTT, 20% glycerol, 200mM NaCl.                                                                                                                                                                                                                                                                                                                                                      |
| <b>Molecular Mass</b>   | 24.5 kDa (224aa), confirmed by MALDI-TOF.                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>AA Sequence</b>      | MGSSHHHHHH SSGLVPRGSH MQVFEIKMDA SLGNLFARSA LDTAARSTKP<br>PRYKCGISKA CPEKHFAFKM ASGAANVVGP KICLEDNVLM SGVKNNVGRG<br>INVALANGKT GEVLDTKYFD MWGGDVAPFI EFLKAIQDGT IVLMGTYYDDG                                                                                                                                                                                                                                                                 |

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|                         |                                                                                                                                                                                    |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                         | ATKLNDEARR LIADLGSTSI TNLGFRDNWV FCGGKGITK SPFEQHIKNN<br>KDTNKYEGWP EVVEMEGCIP QKQD                                                                                                |
| <b>Purity</b>           | >90% by SDS - PAGE                                                                                                                                                                 |
| <b>Applications</b>     | SDS-PAGE                                                                                                                                                                           |
| <b>Storage</b>          | Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.                               |
| <b>Concentration</b>    | 0.5mg/ml (determined by Bradford assay)                                                                                                                                            |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                    |
| <b>Gene Name</b>        | FAM3C family with sequence similarity 3, member C [ Homo sapiens ]                                                                                                                 |
| <b>Official Symbol</b>  | FAM3C                                                                                                                                                                              |
| <b>Synonyms</b>         | FAM3C; family with sequence similarity 3, member C; protein FAM3C; GS3876; ILEI; interleukin like EMT inducer; predicted osteoblast protein; interleukin-like EMT inducer; GS3786; |
| <b>Gene ID</b>          | 10447                                                                                                                                                                              |
| <b>mRNA Refseq</b>      | NM_001040020                                                                                                                                                                       |
| <b>Protein Refseq</b>   | NP_001035109                                                                                                                                                                       |
| <b>MIM</b>              | 608618                                                                                                                                                                             |
| <b>UniProt ID</b>       | Q92520                                                                                                                                                                             |

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|--------------------------------|--------------------|
| <b>Chromosome<br/>Location</b> | 7q22.1-q31.1       |
| <b>Function</b>                | cytokine activity; |