

# Recombinant Human C17orf103, His-tagged

**Cat. No.** C17orf103-15877H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant human GTLF3B protein, fused to His tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>ProteinLength</b>    | 1-113aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | Protein GTLF3B, also known as C17orf103, is a 113 amino acid protein that belongs to the GTLF3B family and is encoded by a gene that maps to human chromosome 17p11.2. Two key tumor suppressor genes are associated with chromosome 17, namely, p53 and BRCA1. Tumor suppressor p53 is necessary for maintenance of cellular genetic integrity by moderating cell fate through DNA repair versus cell death. GTLF3B is also linked to neurofibromatosis, a condition characterized by neural and epidermal lesions, and dysregulated Schwann cell growth. |
| <b>Form</b>             | Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 20% glycerol, 1mM DTT                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Molecular Mass</b>   | 15.4kDa (136aa), confirmed by MALDI-TOF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>AA Sequence</b>      | MGSSHHHHHH SSGLVPRGSH MGSMASAAA VPLGALEQGC PIRVEHRRR<br>RQFTVRLNGC HDRAVLLYEY VGKRIVDLQH TEVPDAYRGR GIAKHLAKAA<br>LDFVVEEDLK AHLTCWYIQK YVKENPLPQY LERLQP                                                                                                                                                                                                                                                                                                                                                                                                  |

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|                      |                                                                                                                                             |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>        | >95% by SDS - PAGE                                                                                                                          |
| <b>Applications</b>  | SDS-PAGE                                                                                                                                    |
| <b>Storage</b>       | Can be stored at 4°C short term. For long term storage, aliquot and store at at -20°C or -70°C. Avoid repeated freezing and thawing cycles. |
| <b>Concentration</b> | 0.25mg/ml (determined by Bradford assay)                                                                                                    |

## GENE INFORMATION

|                            |                                                                                                                                           |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | <a href="#">C17orf103 chromosome 17 open reading frame 103 [ Homo sapiens (human) ]</a>                                                   |
| <b>Official Symbol</b>     | GTLF3B                                                                                                                                    |
| <b>Synonyms</b>            | C17orf103; chromosome 17 open reading frame 103; Gtlf3b; protein GTLF3B; gene trap locus F3b; transcript expressed during hematopoiesis 2 |
| <b>Gene ID</b>             | <a href="#">256302</a>                                                                                                                    |
| <b>mRNA Refseq</b>         | <a href="#">NM_152914</a>                                                                                                                 |
| <b>Protein Refseq</b>      | <a href="#">NP_690878</a>                                                                                                                 |
| <b>UniProt ID</b>          | <a href="#">Q8N6N6</a>                                                                                                                    |
| <b>Chromosome Location</b> | 17p11.2                                                                                                                                   |

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