

# Recombinant Full Length Human TMEM132A Protein, C-Flag-tagged

**Cat. No.** TMEM132A-185HFL    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Human TMEM132A Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | Mammalian Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Description</b>      | This gene encodes a protein that is highly similar to the rat Grp78-binding protein (GBP). Alternatively spliced transcript variants encoding different isoforms have been described.                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Form</b>             | 25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Molecular Mass</b>   | 110 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>AA Sequence</b>      | <p>MCARMAGRRTTAAPRGYPYGPWLCLLVALALDVVRVDCGQAPLDPVYLPAALELLDAP</p> <p>EHFRVQQVGHYPPA NSSLSSRSETFLLLPWPRAQPLL RASYPPFATQQVPPRV</p> <p>TEPHQRPVPWDVRAVSVEAAVTPAEPYAR VLFHLKGQDWPPGSGSLPCARLHATH</p> <p>PAGTAHQACRFQPSLGACVVELELP SHWFSQASTTRAELAYTLE PAAEGPGGCGS</p> <p>GEENDPGEQALPVGGVELRPADPPQYQEVLDEAVTLRVPDMPVRPGQLFSATLLL</p> <p>RHN FTASLLTLRIKVKKGLHVTAARPAQPTLWTAKLDRFKGSRHHTTLITCHRAGLT</p> <p>EPDSSSPLELSEFLWV DFVVENSTGGGVAVTRPVTWQLEYPGQAPEAEKDKMVW</p> <p>EILVSEDIRALIPLAKAEELVNTAPLTGVPQ HVPVRLVTVDGGGALVEVTEHVGCS</p> <p>ANTQVLQVSEACDAVFVAGKESRGARGVRVDFWWRRRLRASLRLT VWAPLLPLRIE</p> |

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 45-1 Ramsey Road, Shirley, NY 11967, USA

LTDTTLEQVRGWRVPGPAEGPAEPAAEASDEAERRARGCHLQYQRAGVRFLAPFA  
 AHPL DGGRRRLTHLLGPDWLLDVSHLVAPHARVLD SRVASLEGGRVVVGREPGVTSI  
 EVRSPLSDSILGEQALAV TDDKVSVLELRVQPVMGISLTLSRGTAHPGEVTATCWA  
 QSALPAPKQEVALSLWLSFSDHTVAPAELYDR RDLGLSVSAEEP GAILPAEEQGAQ  
 LGVVVSGAGAEGLPLHVALHPPEPCRRGRHRVPLASGTAWLGLPPA STPAPALPS  
 SPAWSPATEATMGGKRQVAGSVGGNTGVRGKFERAEEEEARKEETEAREEEEEEE  
 EEEMVPA PQHVTELELGMYALLGVFCVAIFILVNGVVFLRYQRKEPPDSATDPTS  
 PQPHNWWLGT DQEELSRQL DRQSPGPPKGEGSCPCESGGGGEAPTLAPGPPG  
 GTTSSSSTLARKEAGGRRKRVEFVTFAPAPPAQSPEE  
 PVGAPAVQSILVAGEEDIRWVCEDMGLKDPEELRNYMERIRGSSTRTRPLEQKLISE  
 EDLAANDILDYKDDDDKV

|                         |                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining.                                                                                  |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| <b>Storage</b>          | Store at -80 centigrade.                                                                                                                      |
| <b>Concentration</b>    | >50 ug/mL as determined by microplate BCA method.                                                                                             |
| <b>Preparation</b>      | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.                              |
| <b>Protein Families</b> | Transmembrane                                                                                                                                 |
| <b>Full Length</b>      | Full L.                                                                                                                                       |

## GENE INFORMATION

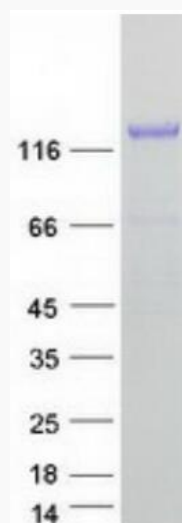
**Gene Name** [TMEM132A transmembrane protein 132A \[ Homo sapiens \(human\) \]](#)

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|                        |               |
|------------------------|---------------|
| <b>Official Symbol</b> | TMEM132A      |
| <b>Synonyms</b>        | GBP; HSPA5BP1 |
| <b>Gene ID</b>         | 54972         |
| <b>mRNA Refseq</b>     | NM_017870.4   |
| <b>Protein Refseq</b>  | NP_060340.2   |
| <b>MIM</b>             | 617363        |
| <b>UniProt ID</b>      | Q24JP5        |



Coomassie blue staining of purified TMEM132A protein.

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