

# Recombinant Full Length Human BAG5 Protein, C-Flag-tagged

**Cat. No.** BAG5-967HFL    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Human BAG5 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>      | The protein encoded by this gene is a member of the BAG1-related protein family. BAG1 is an anti-apoptotic protein that functions through interactions with a variety of cell apoptosis and growth related proteins including BCL-2, Raf-protein kinase, steroid hormone receptors, growth factor receptors and members of the heat shock protein 70 kDa family. This protein contains a BAG domain near the C-terminus, which could bind and inhibit the chaperone activity of Hsc70/Hsp70. Three transcript variants encoding two different isoforms have been found for this gene. |
| <b>Form</b>             | 25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Molecular Mass</b>   | 51 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>AA Sequence</b>      | MDMGNQHPSISRLQEIQKEVKSVEQQVIGFSGLSDDKNYKKLERILTKQLFEIDSVDT<br>EGKGDIQQARKR AAQETERLLKELEQNANHPHRIEIQNIFEEAQSLVREKIVPFYNG<br>GNCVTDEFEEGIQDIILRLTHVKTG GKISLRKARYHTLTKIWAVQEIIEDCMKKQPSLP<br>LSEDAHPSVAKINFVMCEVNKARGVLIALLMGVNNN ETCRHLSCVLSGLIADLDALD<br>VCGRTEIRNYRREVVEDINKLLKYLDLEEEADTTKAFDLRQNHSILKIE KVLKRMREIK<br>NELLQAQNPSELYLSSKTELQGLIGQLDEVSLKNPCIREARRRAVIEVQTLITYIDLK                                                                                                                                                                                                  |

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E ALEKRKLFACEEHP SHKAVWNVLGNLSEIQGEVLSFDGNRTDKNYIRLEELLTKQL  
LALDAVDPQGEEKC  
KAARKQAVRLAQNILSYLDLKSDEWEYTRTRPLEQKLISEEDLAANDILDYKDDDDKV

|                         |                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <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> | Druggable Genome                                                                                                                              |
| <b>Full Length</b>      | Full L.                                                                                                                                       |

## GENE INFORMATION

|                        |                                                 |
|------------------------|-------------------------------------------------|
| <b>Gene Name</b>       | BAG5 BAG cochaperone 5 [ Homo sapiens (human) ] |
| <b>Official Symbol</b> | BAG5                                            |
| <b>Synonyms</b>        | BAG-5; CMD2F                                    |
| <b>Gene ID</b>         | 9529                                            |
| <b>mRNA Refseq</b>     | NM_004873.4                                     |

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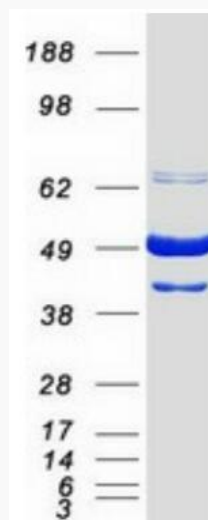
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**Protein Refseq** NP\_004864.1

**MIM** 603885

**UniProt ID** Q9UL15



Coomassie blue staining of purified BAG5 protein.

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