

## Recombinant Human S100A16, His-tagged

**Cat. No.** S100A16-3724H    **Lot. No.** (See product label)

### SPECIFICATION

|                                 |                                                                                                                                                                                                                                                                |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>         | Total 113 AA. MW: 13.04 kDa (calculated). N-Terminal His-tag, 10 extra AA (highlighted).                                                                                                                                                                       |
| <b>Species</b>                  | Human                                                                                                                                                                                                                                                          |
| <b>Source</b>                   | E.coli                                                                                                                                                                                                                                                         |
| <b>Description</b>              | Protein S100-A16 is a protein that in humans is encoded by the S100A16 gene.                                                                                                                                                                                   |
| <b>Form</b>                     | Filtered (0,4 µm) and lyophilized in 0.5 mg/mL in 20mM TRIS, 150mM NaCl, pH 7.5.                                                                                                                                                                               |
| <b>Reconstitution</b>           | Add deionized water to prepare a working stock solution of approximately 0.5 mg/mL and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture. |
| <b>Applications</b>             | Western blotting                                                                                                                                                                                                                                               |
| <b>Quality Control Test</b>     | BCA to determine quantity of the protein; SDS PAGE to determine purity of the protein                                                                                                                                                                          |
| <b>Sequences of amino acids</b> | MKHHHHHHAS MSDCYTELEK AVIVLVENFY KYVSKYSLVK NKISKSSFRE<br>MLQKELNHML SDTGNRKAAD KLIQNLDANH DGRISFDEYW TLIGGITGPI<br>AKLIHEQEQQ SSS                                                                                                                             |
| <b>Storage</b>                  | Store lyophilized protein at -20°C. Lyophilized protein remains stable until the expiry                                                                                                                                                                        |

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date when stored at -20°C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80°C for long term storage. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after one week at 4°C.

## GENE INFORMATION

|                            |                                                                                                                                                                                                                                                                                                       |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | S100A16 S100 calcium binding protein A16 [ Homo sapiens ]                                                                                                                                                                                                                                             |
| <b>Official Symbol</b>     | S100A16                                                                                                                                                                                                                                                                                               |
| <b>Synonyms</b>            | S100A16; S100 calcium binding protein A16; AAG13; S100F; DT1P1A7; MGC17528; protein S100-A16; protein S100-F; OTTHUMP00000032893; aging-associated protein 13; S100 calcium-binding protein A16; aging-associated gene 13 protein; Protein S100-A16; Aging-associated gene 13 protein; Protein S100-F |
| <b>Gene ID</b>             | 140576                                                                                                                                                                                                                                                                                                |
| <b>mRNA Refseq</b>         | NM_080388                                                                                                                                                                                                                                                                                             |
| <b>Protein Refseq</b>      | NP_525127                                                                                                                                                                                                                                                                                             |
| <b>UniProt ID</b>          | Q96FQ6                                                                                                                                                                                                                                                                                                |
| <b>Chromosome Location</b> | 1q21                                                                                                                                                                                                                                                                                                  |
| <b>Function</b>            | calcium ion binding; protein homodimerization activity                                                                                                                                                                                                                                                |

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