

[Go to Product page](#)

Datasheet for ABIN7558566

**Bestrophin 2 Protein (BEST2) (AA 1-508) (His tag)**

## Overview

|                               |   |
|-------------------------------|---|
| Quantity:                     | 1 mg  |
| Target:                       | Bestrophin 2 (BEST2)                                |
| Protein Characteristics:      | AA 1-508  |
| Origin:                       | Mouse   |
| Source:                       | HEK-293 Cells                                       |
| Protein Type:                 | Recombinant   |
| Purification tag / Conjugate: | This Bestrophin 2 protein is labelled with His tag. |
| Application:                  | Western Blotting (WB), SDS-PAGE (SDS)               |

## Product Details

|           |  |
|-----------|--|
| Purpose:  | Custom-made recombinat Best2 Protein expressed in mammalien cells.   |
| Sequence: | MTVITYTARVA NARFGGFSQL LLLWRGSIYK LLWRELLCFL GLYMALSAAY RFLLAEEQKR<br>YFEKLVIIYCD QYASLIPVSF VLGFYVTLVW HRWWNQYLCM PLPDALMCIV AGTVHGRDDR<br>GRLYRRTLMR YAGLSAVLIL RSVSTAVFKR FPTIDHVVEA GFMTREERKK FENLNSSYNK<br>YWVPCVWFSS LAAQARREGR IRDNSALKLL LEELNVFRSK CGMLFHVDWI SIPLVYTQVV<br>TIAVYSYFLA CLIGRQFLDP AQGYKDHTLD LCVPIFTLLQ FFFYAGWLKV AEQLINPFGE<br>DDDDFETNFL IDRNFQVSML AVDEMYDDLA MLEKDLYWDA AEARAPYTAA TAFLLQQPSF<br>QGSTFDIALA KEDMQFQLRD GVDGPLGEVH GDFLQRLPA GAGSVGPLGR RLSLLRRKNS<br>CVSEASTAAS CGCAGAADGG GVEC GCGDPL LDPSLREPEL EPPACPEPPA PIPGPTPEPF<br>TTVSIPGPRA PAPPWLPSPi GEEEESPA <b>Sequence without tag. The proposed Purification-Tag<br/>is based on experiences with the expression system, a different complexity of the protein<br/>could make another tag necessary. In case you have a special request, please contact us.</b> |

## Product Details

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### Characteristics:

#### Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

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### Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

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### Grade:

custom-made

## Target Details

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### Target:

Bestrophin 2 (BEST2)

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### Alternative Name:

Best2 ([BEST2 Products](#))

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### Background:

Bestrophin-2 (Vitelliform macular dystrophy 2-like protein 1),FUNCTION: Forms calcium-sensitive chloride channels. Permeable to bicarbonate. {ECO:0000269|PubMed:18400985}.

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### Molecular Weight:

57.0 kDa

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### UniProt:

[Q8BGM5](#)

## Application Details

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### Application Notes:

In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

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### Restrictions:

For Research Use only

## Handling

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|                  |  |
|------------------|--|
| Format:          | Liquid   |
| Buffer:          | The buffer composition is at the discretion of the manufacturer. |
| Handling Advice: | Avoid repeated freeze-thaw cycles.                               |
| Storage:         | -80 °C   |
| Storage Comment: | Store at -80°C.  |
| Expiry Date:     | 12 months  |