

Datasheet for ABIN7548168  
**GSX2 Protein (AA 1-304) (His tag)**



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## Overview

|                               |   |
|-------------------------------|---|
| Quantity:                     | 1 mg  |
| Target:                       | GSX2  |
| Protein Characteristics:      | AA 1-304                                    |
| Origin:                       | Human                                       |
| Source:                       | HEK-293 Cells                               |
| Protein Type:                 | Recombinant                                 |
| Purification tag / Conjugate: | This GSX2 protein is labelled with His tag. |
| Application:                  | SDS-PAGE (SDS), Western Blotting (WB)       |

## Product Details

|           |   |
|-----------|---|
| Purpose:  | Custom-made recombinat GSX2 Protein expressed in mammalian cells.   |
| Sequence: | <p>MSRSFYVDSL IIKDTSRPAP SLPEHPGPD FFIPLGMPPP LVMSVSGPGC PSRKSGAFCV<br/> CPLCVTSHLH SSRGSVGAGS GGAGAGVTGA GGSGVAGAAG ALPLLKGQFS SAPGDAQFCP<br/> RVNHAHHHHH PPQHSHHHHQ PQQPGSAAAA AAAAAAAAAA AALGHPQHHA PVCTATTYNV<br/> ADPRRFHCLT MGGSDASQVP NGKRMRTAFT STQLLELERE FSSNMYLSRL RRIEIATYLN<br/> LSEKQVKIWF QNRRVKHKKE GKGTQRNSHA GCKCVGSQVH YARSEDEDSL SPASANDDKE ISPL</p> <p><b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b></p> |

|                  |   |
|------------------|---|
| Characteristics: | <p>Key Benefits:</p> <ul style="list-style-type: none"> <li>Made to order protein - from design to production - by highly experienced protein experts.</li> </ul> |
|------------------|---|

## Product Details

- 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.

|         |   |
|---------|---|
| Purity: | > 90 % as determined by Bis-Tris Page, Western Blot |
| Grade:  | custom-made   |

## Target Details

|                   |   |
|-------------------|---|
| Target:           | GSX2  |
| Alternative Name: | GSX2 ( <a href="#">GSX2 Products</a> )  |
| Background:       | <p>GS homeobox 2 (Genetic-screened homeobox 2) (Homeobox protein GSH-2),FUNCTION: Transcription factor that binds 5'-CNAATTAG-3' DNA sequence and regulates the expression of numerous genes including genes important for brain development (PubMed:31412107). During telencephalic development, causes ventralization of pallial progenitors and, depending on the developmental stage, specifies different neuronal fates. At early stages, necessary and sufficient to correctly specify the ventral lateral ganglionic eminence (LGE) and its major derivatives, the striatal projection neurons. At later stages, may specify LGE progenitors toward dorsal LGE fates, including olfactory bulb interneurons (By similarity).</p> <p>{ECO:0000250 UniProtKB:P31316, ECO:0000269 PubMed:31412107}.</p> |
| Molecular Weight: | 32.0 kDa  |
| UniProt:          | <a href="#">Q9BZM3</a>  |

## Application Details

|                    |   |
|--------------------|---|
| Application Notes: | In addition to the applications listed above we expect the protein to work for functional studies |
|--------------------|---|

Application Details

as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

|                  |  |
|------------------|--|
| 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  |