

Recombinant Human TBX18 Protein (1-607 aa), His-SUMO-tagged

Cat. No. TBX18-827H **Lot. No.** (See product label)

SPECIFICATION

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|-------------------------|---|
| Product Overview | Recombinant Human TBX18 Protein (1-607 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Transcription. Protein Description: Full Length. |
| Species | Human |
| Source | E.coli |
| ProteinLength | 1-607 aa |
| Description | Acts as transcriptional repressor involved in developmental processes of a variety of tissues and organs, including the heart and coronary vessels, the ureter and the vertebral column. Required for bryonic development of the sino atrial node (SAN) head area. |
| Form | Tris-based buffer, 50% glycerol |
| Molecular Mass | 80.8 kDa |
| AA Sequence | MAEKRRGSPCSMLSLKAHAFSVEALIGAEEKQQQLQKKRRKLGAEAAAGAVDDGGC SRGGGAGEKGSSEGDEGAALPPPAGATSGPARSGADLERGAAGGCEDGFQQGAS PLASPGGSPKGS PARSLARPGTLPSPQAPRVDLQGAELWKRFHEIGTEMIITKAGR RMFPAMRVKISGLDPHQYYIAMDIVPVDNKRYRYVYHSSKWMVAGNADSPVPPR VYIHPDSPASGETWMRQVISFDKLLKLTNNELDQGHILHSMHKYQPRVHVIRKDCG |

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DDLSPKIPVPSGEGVKAFSPETVFTTVTAYQNQQITRLKIDRNPFKGFDRDSGRNR
 MGLEALVESYAFWRPSLRTLTFEDIPGIPKQGNASSSTLLQGTGNGVPATHPHLLSG
 SSCSSPAFHLGPNTSQLCCLAPADYSACARSGLTLNRYSTSLAETYNRLTNQAGETF
 APPRTPSYVGVSSSTSVNMSMGDTGDTFSCPQTSLSMQISGMSPQLQYIMPSPS
 SNAFATNQTHQGSYNTFRLHSPCALYGYNFSTSPKLAASPEKIVSSQGSFLGSSPS
 GTMTDRQMLPPVEGVHLLSSGGQQSFFDSRTLGLSLTLSSSQVSAHMV

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with concentration instruction is sent along with the products.

GENE INFORMATION

Gene Name TBX18 T-box 18 [Homo sapiens]

Official Symbol TBX18

Synonyms TBX18; T-box 18; T-box protein 18;

Gene ID 9096

mRNA Refseq NM_001080508

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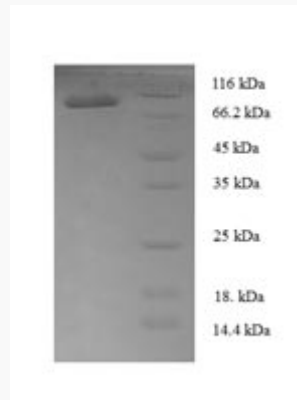
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Protein Refseq NP_001073977

MIM 604613

UniProt ID O95935



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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