

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

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

SPECIFICATION

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 PARSLARPGTLPSPQAPRVDLQGAELWKR FHEIGTEMIITKAGR RMFPAMRVKISGLDPHQYYIAMDIVPVDNKRYRYVYHSSKWMVAGNADSPVPPR VYIHPDSPASGETWMRQVISFDKLLTNNELDDQGHILHSMHKYQPRVHVIRKDCG

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

DDLSPKPVPSGEGVKAFSFPETVFTTVTAYQNQQITRLKIDRNPFAGFRDSEGRNR
 MGLEALVESYAFWRPSLRTLTFEDIPGIPKQGNASSSTLLQGTGNGVPATHPHLLSG
 SSCSSPAFHLGPNTSQLCSLAPADYSACARSGTLNRYSTSLAETYNRLTNQAGETF
 APPRTPSYVGVSSSTSVNMSMGTDGDTFSCPQTSLSMQISGMSPQLQYIMPSPS
 SNAFATNQTHQGSYNTFRLHSPCALYGYNFSTSPKLAASPEKIVSSQGSFLGSSPS
 GTMTDRQMLPPVEGVHLLSSGGQQSFFDSRTLGSRTLSSSQVSAHNV

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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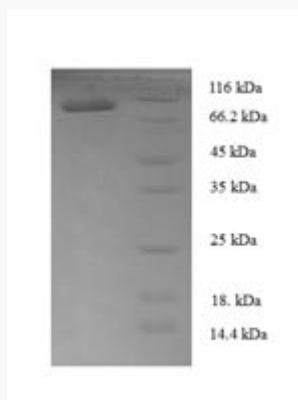
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Protein Refseq [NP_001073977](#)

MIM [604613](#)

UniProt ID [O95935](#)



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

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