

Recombinant Human T-box transcription factor TBX18(TBX18)

Catalog No: #AP70831

Package Size: #AP70831-1 20ug #AP70831-2 100ug #AP70831-3 1mg

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Description

Product Name	Recombinant Human T-box transcription factor TBX18(TBX18)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-607aaSequence Info:Full Length
Accession No.	O95935
Calculated MW	80.8 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	MAEKRRGSPCSMLSLKAHAFSVEALIGAEEKQQLQKKRRKLGAEEAAGAVDDGGCSRGGGAGEKGSSEGD EGAALPPPAGATSGPARSGADLERGAAGGCEDGFQQGASPLASPGGSPKGSPPARSLARPGTLPSPQAPRV DLQGAELWKRFEIGTEMIITKAGRRMFAMRVKISGLDPHQYYIAMDIVPDNKRIRYVYHSSKWMVAGNA DSPVPPRVYIHPDSPASGETWMRQVISFDKLKLTNNELDDQGHILHSMHKYQPRVHVIRKDCGDDLSPKVP SGEGVKAFSFPETVFTVTAYQNQQITRLKIDRNPFAGKFRDSGRNRMGLEALVESYAFWRPSLRTLTFTEDIP GIPKQGNASSSTLLQGTGNGVPATHPHLLSGSSCSPAFHLGPNTSQLCSLAPADYSACARSGLTLNRYSTSL AETYNRLTNQAGETFAPPRTPSYGVSSSTSVNMSMGGTDGDTFSCPQTSLSMQISGMSPQLQYIMPSPSS NAFATNQTHQGSYNTFRLHSPCALYGYNFSTSPKLAASPEKIVSSQGSFLGSSPSGMTDRQMLPPVEGVHL LSSGGQQSFFDSRTLGLSLTLSSSQVSAHNV
Formulation	Tris-based buffer50% glycerol
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°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

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.

References

The DNA sequence and analysis of human chromosome 6.Mungall A.J., Palmer S.A., Sims S.K., Edwards C.A., Ashurst J.L., Wilming L., Jones M.C., Horton R., Hunt S.E., Scott C.E., Gilbert J.G.R., Clamp M.E., Bethel G., Milne S., Ainscough R., Almeida J.P., Ambrose K.D., Andrews T.D. , Ashwell R.I.S., Babbage A.K., Bagguley C.L., Bailey J., Banerjee R., Barker D.J., Barlow K.F., Bates K., Beare D.M., Beasley H., Beasley O., Bird C.P., Blakey S.E., Bray-Allen S., Brook J., Brown A.J., Brown J.Y., Burford D.C., Burrill W., Burton J., Carder C., Carter N.P., Chapman J.C., Clark S.Y., Clark G., Clee C.M., Clegg S., Cobley V., Collier R.E., Collins J.E., Colman L.K., Corby N.R., Coville G.J., Culley K.M., Dhami P., Davies J., Dunn M., Earthrowl M.E., Ellington A.E., Evans K.A., Faulkner L., Francis M.D., Frankish A., Frankland J., French L., Garner P., Garnett J., Ghorri M.J., Gilby L.M., Gillson C.J., Glithero R.J., Grafham D.V., Grant M., Gribble S., Griffiths C., Griffiths M.N.D., Hall R., Halls K.S., Hammond S., Harley J.L., Hart E.A., Heath P.D., Heathcott R., Holmes S.J., Howden P.J., Howe K.L., Howell G.R., Huckle E., Humphray S.J., Humphries M.D., Hunt A.R., Johnson C.M., Joy

A.A., Kay M., Keenan S.J., Kimberley A.M., King A., Laird G.K., Langford C., Lawlor S., Leongamornlert D.A., Leversha M., Lloyd C.R., Lloyd D.M., Loveland J.E., Lovell J., Martin S., Mashreghi-Mohammadi M., Maslen G.L., Matthews L., McCann O.T., McLaren S.J., McLay K., McMurray A., Moore M.J.F., Mullikin J.C., Niblett D., Nickerson T., Novik K.L., Oliver K., Overton-Larty E.K., Parker A., Patel R., Pearce A.V., Peck A.I., Phillimore B.J.C.T., Phillips S., Plumb R.W., Porter K.M., Ramsey Y., Ranby S.A., Rice C.M., Ross M.T., Searle S.M., Sehra H.K., Sheridan E., Skuce C.D., Smith S., Smith M., Spraggon L., Squares S.L., Steward C.A., Sycamore N., Tamlyn-Hall G., Tester J., Theaker A.J., Thomas D.W., Thorpe A., Tracey A., Tromans A., Tubby B., Wall M., Wallis J.M., West A.P., White S.S., Whitehead S.L., Whittaker H., Wild A., Willey D.J., Wilmer T.E., Wood J.M., Wray P.W., Wyatt J.C., Young L., Younger R.M., Bentley D.R., Coulson A., Durbin R.M., Hubbard T., Sulston J.E., Dunham I., Rogers J., Beck S. Nature 425:805-811(2003) Research Topic: Transcription

Note: This product is for in vitro research use only and is not intended for use in humans or animals.