

ZFHX3 (Human) Recombinant Protein (Q01)

Catalog # H00000463-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ZFHX3 partial ORF (NP_008816, 2811 a.a. - 2910 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	EDFESPSMSSVNLNFDQTKLDNDDCSSVNTAITDTTGGDEGNADNDSATGIATETKSSSAPNEGL TKAAMMAMSEYEDRLSSGLVSPAPSFYSKEYDNEG
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (99)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — ZFHX3

Entrez GeneID [463](#)

GeneBank Accession# [NM_006885](#)

Protein Accession# [NP_008816](#)

Gene Name ZFHX3

Gene Alias ATBF1, ATBT

Gene Description zinc finger homeobox 3

Omim ID [104155](#) [176807](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a transcription factor with multiple homeodomains and zinc finger motifs, and regulates myogenic and neuronal differentiation. The encoded protein suppresses expression of the alpha-fetoprotein gene by binding to an AT-rich enhancer motif. The protein has also been shown to negatively regulate c-Myb, and transactivate the cell cycle inhibitor cyclin-dependent kinase inhibitor 1A (also known as p21CIP1). This gene is reported to function as a tumor suppressor in several cancers, and sequence variants of this gene are also associated with atrial fibrillation. Multiple transcript variants expressed from alternate promoters and encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations AT motif-binding factor 1|AT-binding transcription factor 1|OTTHUMP00000174934

Disease

- [Atrial Fibrillation](#)
- [Brain Ischemia](#)

- [Genetic Predisposition to Disease](#)
- [Mucocutaneous Lymph Node Syndrome](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Stroke](#)
- [Tobacco Use Disorder](#)