Recombinant Human FOXD4 Protein, GST-tagged

Cat. No. FOXD4-4442H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human FOXD4 full-length ORF (NP_997188.2, 1 a.a. - 439 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene encodes a member of the forkhead/winged helix-box (FOX) family of transcription factors. FOX transcription factors play critical roles in the regulation of multiple processes including metabolism, cell proliferation and gene expression during ontogenesis. Mutations in this gene are associated with a complex phenotype consisting of dilated cardiomyopathy, obsessive-compulsive disorders, and suicidality. [provided by RefSeq, Mar 2012]
Molecular Mass	73.7 kDa
AA Sequence	MNLPRAERLRSTPQRSLRDSDGEDGKIDVLGEEEDEDEEEAASQQFLEQSLQPGLQ VARWGGVALPREHIEGGGGPSDPSEFGTEFRAPPRSAAASEDARQPAKPPSSYIAL ITMAILQSPHKRLTLSGICAFISDRFPYYRRKFPAWQNSIRHNLSLNDCFVKIPREPGR PGKGNYWSLDPASQDMFDNGSFLRRRKRFQRHQPTPGAHLPHPFPLPAAHAALHN PRPGPLLGAPAPPQPVPGAYPNTGPGRRPYALLHPHPPRYLLLSAPAYAGAPKKAE GADLATPAPFPCCSPHLVLSLGRRARVWRRHREADASLSALRVSCKGSGERVQGL RRVCPRPRGATAPCSSDRQACRTILQQQQRHQEEDCANGCAPTKGAVLGGHLSAA SALLRYQAVAEGSGLTSLAAPLGGEGTSPVFLVSPTPSSLAESAGPS

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	FOXD4 forkhead box D4 [Homo sapiens]
Official Symbol	FOXD4
Synonyms	FOXD4; forkhead box D4; FKHL9; forkhead box protein D4; FOXD4a; FREAC5; myeloid factor-alpha; forkhead-related activator 5; forkhead-related protein FKHL9; forkhead, Drosophila, homolog-like 9; forkhead-related transcription factor 5; FOXD4A; FREAC-5; MGC105106;
Gene ID	2298
mRNA Refseq	NM_207305
Protein Refseq	NP_997188
MIM	601092
UniProt ID	Q12950

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