

Recombinant Human FBXW4 Protein, GST-tagged

Cat. No. FBXW4-3971H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human FBXW4 full-length ORF (BAG37276.1, 1 a.a. - 412 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene is a member of the F-box/WD-40 gene family, which recruit specific target proteins through their WD-40 protein-protein binding domains for ubiquitin mediated degradation. In mouse, a highly similar protein is thought to be responsible for maintaining the apical ectodermal ridge of developing limb buds; disruption of the mouse gene results in the absence of central digits, underdeveloped or absent metacarpal/metatarsal bones and syndactyly. This phenotype is remarkably similar to split hand-split foot malformation in humans, a clinically heterogeneous condition with a variety of modes of transmission. An autosomal recessive form has been mapped to the chromosomal region where this gene is located, and complex rearrangements involving duplications of this gene and others have been associated with the condition. A pseudogene of this locus has been mapped to one of the introns of the BCR gene on chromosome 22. [provided by RefSeq, Jul 2008]
Molecular Mass	71.72 kDa
AA Sequence	MAAAAGEEEEEEEAARESAARPAAGPALWRLPEELLLICSYLDMRALGRLAQVCR WLRRFTSCDLLWRRIRASLNSGFTRLGTDLMTSPVKERVKVSQNWRLGRCREGI

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LLKWRC SQMPWMQLEDDSLYISQANFILAYQFRPDGASLNRRPLGVFAGHDEDVC
 HFVLANS HIVSAGGDGKIGIHKIHSTFTVKYSAHEQEVNCVDCKGGIIVSGSRDRTAK
 VWPLASGRLGQCLHTIQTEDRVWSFAISPLLSSFVTGTACCGHFSPLRIWDLNSGQL
 MTHLGSDFPFGAGVLDVMYESPFLLSCGYDTYVRYWDLRTSVRKCVMEWEEPHD
 STLYCLQTDGNHLLATGSSYYGVRLWDRRQRACLHAFPLTSTPLSSPVYCLRLTTK
 HLYAALSYNLHVLD FQNP

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

FBXW4 F-box and WD repeat domain containing 4 [Homo sapiens]

Official Symbol

FBXW4

Synonyms

FBXW4; F-box and WD repeat domain containing 4; F box and WD 40 domain protein 4 , SHFM3, split hand/foot malformation (ectrodactyly) type 3; F-box/WD repeat-containing protein 4; dactylin; Fbw4; F-box/WD repeat protein 4; F-box and WD-40 domain protein 4; F-box and WD-40 domain-containing protein 4; DAC; FBW4; FBWD4; SHFM3; SHSF3;

Gene ID

6468

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mRNA Refseq	NM_022039
Protein Refseq	NP_071322
MIM	608071
UniProt ID	P57775

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