Datasheet for ABIN1096681

# FLRT2 Protein (AA 36-539) (His tag)

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## Overview

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| Quantity: | 50 µg |
| Target: | FLRT2 |
| Protein Characteristics: | AA 36-539 |
| Origin: | Human |
| Source: | Human Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This FLRT2 protein is labelled with His tag. |

## Product Details

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| Purpose: | Recombinant Human Fibronectin Leucine Rich Transmembrane Protein 2/FLRT2 (C-6His) |
| Sequence: | CPSVCRCDRN FVYCNERSLT SVPLGIPEGV TVLYLHNNQI NNAGFPAELH NVQSVHTVYL YGNQLDEFPM NLPKNVRVLH LQENNIQTIS RAALAQLLKL EELHLDDNSI STVGVEDGAF REAISLKLLF LSKNHLSSVP VGLPVDLQEL RVDENRIAVI SDMAFQNLTS LERLIVDGNL LTNKGIAEGT FSHLTKLKEF SIVRNSLSHP PPDLPGTHLI RLYLQDNQIN HIPLTAFSNL RKLERLDISN NQLRMLTQGV FDNLSNLKQL TARNNPWFCD CSIKWVTEWL KYIPSSLNVR GFMCQGPEQV RGMAVRELNM NLLSCPTTTP GLPLFTPAPS TASPTTQPPT LSIPNPSRSY TPPTPTTSKL PTIPDWDGRE RVTPPISERI QLSIHFVNDT SIQVSWLSLF TVMAYKLTWV KMGHSLVGGI VQERIVSGEK QHLSLVNLEP RSTYRICLVP LDAFNYRAVE DTICSEATTH ASYLNNGSNT ASSHEQTTSH SMGSVDHHHH HH |
| Characteristics: | Recombinant Human Leucine-Rich Repeat Transmembrane Protein FLRT2/FLRT2 is produced with our mammalian expression system in human cells. The target protein is expressed with sequence (Cys36-Ser539) of Human FLRT2 fused with a polyhistidine tag at the C-terminus. |

## Product Details

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| Purity: | > 95 % as determined by reducing SDS-PAGE. |
| Sterility: | 0.2 µm filtered |
| Endotoxin Level: | Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test |

## Target Details

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| Target: | FLRT2 |
| Alternative Name: | flrt2 (FLRT2 Products) |
| Sub Type: | Fusionprotein |
| Background: | Fibronectin Leucine Rich Transmembrane protein 2 (FLRT2) is a member of the fibronectin leucine rich transmembrane protein (FLRT) family. The three fibronectin leucine-rich repeat transmembrane (FLRT) proteins: FLRT1, FLRT2 and FLRT3, all contain 10 leucine-rich repeats (LRR), a type III fibronectin (FN) domain, followed by the transmembrane region, and a short cytoplasmic tail. FLRT proteins have dual properties as regulators of cell adhesion and potentiators of fibroblast growth factor (FGF) mediated signalling. The fibronectin domain of all three FLRTs can bind FGF receptors. This binding is thought to regulate FGF signaling during development. The LRR domains are responsible for both the localization of FLRTs in areas of cell contact and homotypic cell cell association. FLRT2 is expressed in a subset of the sclerotome, adjacent to the region that forms the syndetome, suggesting its involvement in the FGF signalling pathway.<br>Alternative Names: Leucine-Rich Repeat Transmembrane Protein FLRT2, Fibronectin-Like Domain-Containing Leucine-Rich Transmembrane Protein 2, FLRT2, KIAA0405 |
| Molecular Weight: | 57.3 kDa |
| UniProt: | O43155 |

## Application Details

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| Restrictions: | For Research Use only |

## Handling

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| Format: | Lyophilized |
| Reconstitution: | It is not recommended to reconstitute to a concentration less than 100 µg/mL.<br>Dissolve the lyophilized protein in ddH2O.<br>Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |

## Handling

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| Buffer: | Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2. |
| Handling Advice: | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. |
| Storage: | 4 °C/-20 °C/-80 °C |
| Storage Comment: | Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.<br>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.<br>Aliquots of reconstituted samples are stable at < -20°C for 3 months. |
| Expiry Date: | 3 months |

 