OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TP728129L

FLRT3 (29-528, His-Tag) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant human FLRT3 protein
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	KSCPSVCRCD AGFIYCNDRF LTSIPTGIPE DATTLYLQNN QINNAGIPSD LKNLLKVERI YLYHNSLDEF PTNLPKYVKE LHLQENNIRT ITYDSLSKIP YLEELHLDDN SVSAVSIEEG AFRDSNYLRL LFLSRNHLST IPWGLPRTIE ELRLDDNRIS TISSPSLQGL TSLKRLVLDG NLLNNHGLGD KVFFNLVNLT ELSLVRNSLT AAPVNLPGTN LRKLYLQDNH INRVPPNAFS YLRQLYRLDM SNNNLSNLPQ GIFDDLDNIT QLILRNNPWY CGCKMKWVRD WLQSLPVKVN VRGLMCQAPE KVRGMAIKDL NAELFDCKDS GIVSTIQITT AIPNTVYPAQ GQWPAPVTKQ PDIKNPKLTK DHQTTGSPSR KTITITVKSV TSDTIHISWK LALPMTALRL SWLKLGHSPA FGSITETIVT GERSEYLVTA LEPDSPYKVC MVPMETSNLY LFDETPVCIE TETAPLRMYN PTTTLNREQE KEPYKNPNLP
Tag:	His-Tag
Predicted MW:	57.3 kDa (506aa)
Concentration:	0.25mg/ml (determined by absorbance at 280nm)
Purity:	> 95% by SDS-PAGE
Buffer:	Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol
Bioactivity:	Measured by the ability of the immobilized protein to support the adhesion of Neuro-2a neuroblast cells. When cells are added to human FLRT3 coated plates 5 ug/ml. This effect is more to 40%.
Endotoxin:	< 1 EU per 1ug of protein (determined by LAL method)
Applications:	SDS-PAGE, Bioactivity
Storage:	Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.
RefSeq:	NP_037413.1

View online »

Summary:

FLRT3, also known as leucine-rich repeat transmembrane protein, is a member of the fibronectin leucine rich transmembrane protein (FLRT) family. It contains 10 N-terminal leucine-rich repeats flanked by cysteine-rich areas, and a juxtamembrane fibronectin type III domain. And It expressed in kidney, brain, pancreas, skeletal muscle, lung, liver, placenta, and heart. The members of the FLRT family may have a function in cell adhesion and/or receptor signaling. The fibronectin domain is responsible for binding to FGF receptors, and is thought to regulate FGF signaling during development. The LRR domains are responsible for both the localization in areas of cell contact and homotypic cell-cell association. Also, It may have a crucial role in regulating cellular adhesion between the epithelial apical ridge and the underlying mesenchyme and in establishing the dorso-ventral position of the ridge. Recombinant human FLRT3, fused to His-tag at C-terminus, was expressed in HEK293 cell and purified by using conventional chromatography techniques.