

Product datasheet

Recombinant Human FLRT1 protein ab151663

Description

Product name	Recombinant Human FLRT1 protein	
Purity	> 95 % SDS-PAGE.	
Endotoxin level	< 1.000 Eu/μg	
Expression system	HEK 293 cells	
Accession	Q9NZU1	
Protein length	Protein fragment	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	<p>IDSTTCPSVCRCNDNGFYCNDRGLTSIPADIPDDATTLYLQN NQINNAGI PQDLKTKVNVQVMYENDLDEFPINLPRSLRELHLQDNNV RTIARDSLA RIPPLEKLHLDDNSVSTVSIIEEDAFADSKQLKLLFLSRNHL SSIPSGLP TLEELRLDDNRISTIPLHAFKGLNSLRRLVLDGNLLANQRIA DDTFSRLQ NLTELSLVRNSLAAPPLNLP SAHLQKLYLQDNAISHIPYNTL AKMRELER LDLSNNNLTTLP RGLFDDLGNLAQLLLRNNPWFCGCNLM WLRDWVKARAA VVNVRGLMCQGPEKVRGMAIKDITSEMDEC FETGPQGGV ANAAAKTTASN HASATTPQGSLFTLKAKRPGRLPDSNIDYPMATGDGAKT LAIHVKALTA DSIRITWKATLPASSFRLSWLRLGHSPAVGSITETLVQGDK TEYLLTALE PKSTYIICMVTMETSNA YVADETPVCAKAETADSYGPTTTL NQEQNAGPM ASLP</p>	
Amino acids	21 to 524	
Tags	His tag C-Terminus	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab151663** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE HPLC
Form	Lyophilized
Additional notes	Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Preparation and Storage

Stability and Storage Shipped at 4°C. The lyophilized protein is stable for a few weeks at room temperature. Store at -20°C long term. Avoid freeze / thaw cycle. Please see notes section.

pH: 7.20

Constituents: 99% Phosphate Buffer, 0.88% Sodium chloride

Reconstitution Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

General Info

Function Plays a role in fibroblast growth factor-mediated signaling cascades that lead to the activation of MAP kinases. Promotes neurite outgrowth via FGFR1-mediated activation of downstream MAP kinases. Promotes an increase both in neurite number and in neurite length. May play a role in cell-cell adhesion and cell guidance via its interaction with ADGRL1/LPHN1 and ADGRL3.

Tissue specificity Expressed in kidney and brain.

Sequence similarities Contains 1 fibronectin type-III domain.
Contains 10 LRR (leucine-rich) repeats.
Contains 1 LRRCT domain.
Contains 1 LRRNT domain.

Post-translational modifications N-glycosylated.
Phosphorylated in response to FGFR1 signaling, but is not a direct substrate of FGFR1 or SRC. A mutant where the Tyr phosphorylation sites have been replaced by Phe displays constitutive FGFR1-dependent activation of downstream MAP kinases.
Proteolytic cleavage in the juxtamembrane region gives rise to a soluble ectodomain.

Cellular localization Cell membrane. Endoplasmic reticulum membrane. Cytoplasmic vesicle membrane. Cytoplasm, perinuclear region. Cell junction, focal adhesion. Secreted. Cell projection. Cell junction. In addition to its location at the cell membrane, colocalizes with FGFR1 in punctate perinuclear cytoplasmic vesicles. Detected along neurites and at contacts between neurite termini and other cells. Proteolytic cleavage gives rise to a shedded ectodomain.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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