

Product datasheet for RC214781

Stabilin 2 (STAB2) (NM_017564) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stabilin 2 (STAB2) (NM_017564) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Stabilin 2
Synonyms:	FEEL2; FELE-2; FELL2; FEX2; HARE; SCARH1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC214781 representing NM_017564 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence: >RC214781 representing NM_017564
 Red=Cloning site Green=Tags(s)

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Restriction Sites: SgfI-MluI

Cloning Scheme:


ACCN: NM_017564

ORF Size: 7653 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_017564.9](#), [NP_060034.9](#)

RefSeq Size: 8266 bp

RefSeq ORF: 7656 bp

Locus ID: 55576

UniProt ID: [Q8WWQ8](#)

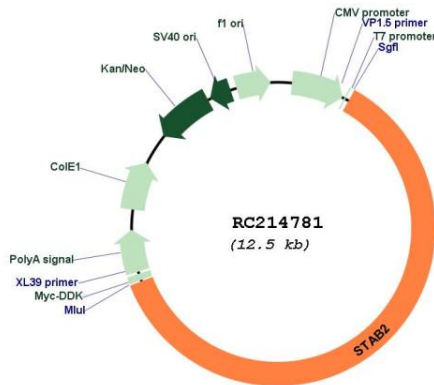
Cytogenetics: 12q23.3

Protein Families: Druggable Genome, Transmembrane

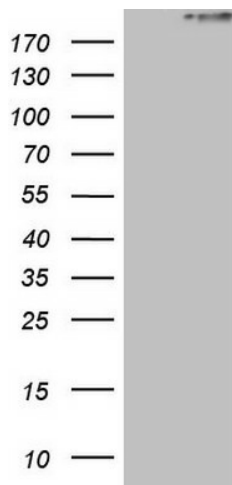
MW: 276.99 kDa

Gene Summary: This gene encodes a large, transmembrane receptor protein which may function in angiogenesis, lymphocyte homing, cell adhesion, or receptor scavenging. The protein contains 7 fasciclin, 15 epidermal growth factor (EGF)-like, and 2 laminin-type EGF-like domains as well as a C-type lectin-like hyaluronan-binding Link module. The protein is primarily expressed on sinusoidal endothelial cells of liver, spleen, and lymph node. The receptor has been shown to bind and endocytose ligands such as hyaluronan, low density lipoprotein, Gram-positive and Gram-negative bacteria, and advanced glycosylation end products. Supporting its possible role as a scavenger receptor, the protein has been shown to cycle between the plasma membrane and lysosomes. [provided by RefSeq, Jul 2008]

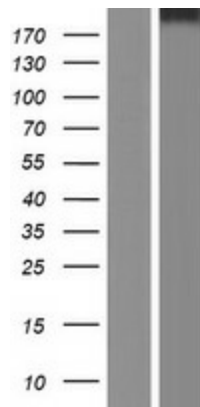
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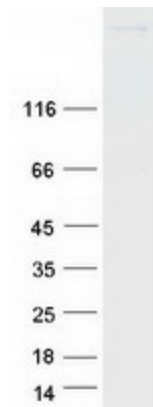
Circular map for RC214781



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY STAB2 (Cat# RC214781, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-STAB2 (Cat# [TA806361]). Positive lysates [LY413706] (100ug) and [LC413706] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY413706]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC214781 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified STAB2 protein (Cat# [TP314781]). The protein was produced from HEK293T cells transfected with STAB2 cDNA clone (Cat# RC214781) using MegaTran 2.0 (Cat# [TT210002]).