Recombinant Full Length Human STAB2 Protein, C-Flag-tagged

Cat. No. STAB2-1519HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human STAB2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	274.7 kDa
AA Sequence	MMLQHLVIFCLGLVVQNFCSPAETTGQARRCDRKSLLTIRTECRSCALNLGVKCPDG YTMITSGSVGVRD CRYTFEVRTYSLSLPGCRHICRKDYLQPRCCPGRWGPDCIECP

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GGAGSPCNGRGSCAEGMEGNGTCSCQE GFGGTACETCADDNLFGPSCSSVCNC
VHGVCNSGLDGDGTCECYSAYTGPKCDKPIPECAALLCPENSRC SPSTEDENKLE
CKCLPNYRGDGKYCDPINPCLRKICHPHAHCTYLGPNRHSCTCQEGYRGDGQVCL
PVDP CQINFGNCPTKSTVCKYDGPGQSHCECKEHYQNFVPGVGCSMTDICKSDNP
CHRNANCTTVAPGRTECIC QKGYVGDGLTCYGNIMERLRELNTEPRGKWQGRLTS
FISLLDKAYAWPLSKLGPFTVLLPTDKGLKGFNV NELLVDNKAAQYFVKLHIIAGQMN
IEYMNNTDMFYTLTGKSGEIFNSDKDNQIKLKLHGGKKKVKIIQGD IIASNGLLHILDR
AMDKLEPTFESNNEQTIMTMLQPRYSKFRSLLEETNLGHALDEDGVGGPYTIFVPNN
EALNNMKDGTLDYLLSPEGSRKLLELVRYHIVPFTQLEVATLISTPHIRSMANQLIQFN
TTDNGQILAND VAMEEIEITAKNGRIYTLTGVLIPPSIVPILPHRCDETKREMKLGTCV
SCSLVYWSRCPANSEPTALFTH RCVYSGRFGSLKSGCARYCNATVKIPKCCKGFY
GPDCNQCPGGFSNPCSGNGQCADSLGGNGTCICEEGF QGSQCQFCSDPNKYGP
RCNKKCLCVHGTCNNRIDSDGACLTGTCRDGSAGRLCDKQTSACGPYVQFCHIH A
TCEYSNGTASCICKAGYEGDGTLCSEMDPCTGLTPGGCSRNAECIKTGTGTHTCVC
QQGWTGNGRDCSE INNCLLPSAGGCHDNASCLYVGPGQNECECKKGFRGNGIDC
EPITSCLEQTGKCHPLASCQSTSSGVWSC VCQEGYEGDGFLCYGNAAVELSFLSE
AAIFNRWINNASLQPTLSATSNLTVLVPSQQATEDMDQDEKSFW LSQSNIPALIKYH
MLLGTYRVADLQTLSSSDMLATSLQGNFLHLAKVDGNITIEGASIVDGDNAATNGVI
HIINKVLVPQRRLTGSLPNLLMRLEQMPDYSIFRGYIIQYNLANAIEAADAYTVFAPNN
NAIENYIREKK VLSLEEDVLRYHVVLEEKLLKNDLHNGMHRETMLGFSYFLSFFLHN
DQLYVNEAPINYTNVATDKGVIHG LGKVLEIQKNRCDNNDTTIIRGRCRTCSSELTCP
FGTKSLGNEKRRCIYTSYFMGRRTLFIGCQPKCVRT VITRECCAGFFGPQCQPCPG
NAQNVCFGNGICLDGVNGTGVCECGEGFSGTACETCTEGKYGIHCDQACS CVHG
RCNQGPLGDGSCDCDVGWRGVHCDNATTEDNCNGTCHTSANCLTNSDGTASCKC
AAGFQGNGTICT AINACEISNGGCSAKADCKRTTPGRRVCTCKAGYTGDGIVCLEIN
PCLENHGGCDKNAECTQTGPNQAAC NCLPAYTGDGKVCTLINVCLTKNGGCSEFAI
CNHTGQVERTCTCKPNYIGDGFTCRGSIYQELPKNPKTS QYFFQLQEHFVKDLVGP
GPFTVFAPLSAAFDEEARVKDWDKYGLMPQVLRYHVVACHQLLLENLKLISNA TSL
QGEPIVISVSQSTVYINNKAKIISSDIISTNGIVHIIDKLLSPKNLLITPKDNSGRILQNLTT
LATN NGYIKFSNLIQDSGLLSVITDPIHTPVTLFWPTDQALHALPAEQQDFLFNQDNK

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	DKLKEYLKFHVIRDAK VLAVDLPTSTAWKTLQGSELSVKCGAGRDIGDLFLNGQTCR IVQRELLFDLGVAYGIDCLLIDPTLGGRC DTFTTFDASGECGSCVNTPSCPRWSKPK GVKQKCLYNLPFKRNLEGCRERCSLVIQIPRCCKGYFGRDCQ ACPGGPDAPCNNR GVCLDQYSATGECKCNTGFNGTACEMCWPGRFGPDCLPCGCSDHGQCDDGITGS GQC LCETGWTGPSCDTQAVLPAVCTPPCSAHATCKENNTCECNLDYEGDGITCTV VDFCKQDNGGCAKVARCS QKGTKVSCSCQKGYKGDGHSCTEIDPCADGLNGGCH EHATCKMTGPGKHKCECKSHYVGDGLNCEPEQLP IDRCLQDNGQCHADAKCVDL HFQDTTVGVFHLRSPLGQYKLTFDKAREACANEAATMATYNQLSYAQKAK YHLCS AGWLETGRVAYPTAFASQNCGSGVVGIVDYGPRPNKSEMWDVFCYRMKDVNCTC KVGYVGDGFSC SGNLLQVLMSFPSLTNFLTEVLAYSNSSARGRAFLEHLTDLSIRGT LFVPQNSGLGENETLSGRDIEHHL ANVSMFFYNDLVNGTTLQTRLGSKLLITASQDP LQPTETRFVDGRAILQWDIFASNGIIHVISRPLKAPP APVTLTHTGLGAGIFFAIILVTG AVALAAYSYFRINRRTIGFQHFESEEDINVAALGKQQPENISNPLYE STTSAPPEPSYDPFTDSEERQLEGNDPLRTLTRTRPLEQKLISEEDLAANDILDYKDD DDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Transmembrane

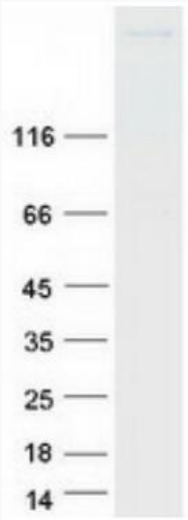
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Full Length	Full L.

GENE INFORMATION

Gene Name	STAB2 stabilin 2 [Homo sapiens (human)]
Official Symbol	STAB2
Synonyms	FEX2; HARE; FEEL2; FELL2; FELE-2; SCARH1
Gene ID	55576
mRNA Refseq	NM_017564.10
Protein Refseq	NP_060034.9
MIM	608561
UniProt ID	Q8WWQ8

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Coomassie blue staining of purified STAB2 protein.

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