Recombinant Human STAB2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. STAB2-455H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	STAB2 MS Standard C13 and N15-labeled recombinant protein (NP_060034) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	276.99 kDa
AA Sequence	MMLQHLVIFCLGLVVQNFCSPAETTGQARRCDRKSLLTIRTECRSCALNLGVKCPDG YTMITSGSVGVRDCRYTFEVRTYSLSLPGCRHICRKDYLQPRCCPGRWGPDCIECP GGAGSPCNGRGSCAEGMEGNGTCSCQEGFGGTACETCADDNLFGPSCSSVCNC

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VHGVCNSGLDGDGTCECYSAYTGPKCDKPIPECAALLCPENSRCSPSTEDENKLEC
KCLPNYRGDGKYCDPINPCLRKICHPHAHCTYLGPNRHSCTCQEGYRGDGQVCLP
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WINNASLQPTLSATSNLTVLVPSQQATEDMDQDEKSFWLSQSNIPALIKYHMLLGTY
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PQRRLTGSLPNLLMRLEQMPDYSIFRGYIIQYNLANAIEAADAYTVFAPNNNAIENYIR
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ICTAINACEISNGGCSAKADCKRTTPGRRVCTCKAGYTGDGIVCLEINPCLENHGGC
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NLIQDSGLLSVITDPIHTPVTLFWPTDQALHALPAEQQDFLFNQDNKDKLKEYLKFHVI
RDAKVLAVDLPTSTAWKTLQGSELSVKCGAGRDIGDLFLNGQTCRIVQRELLFDLGV

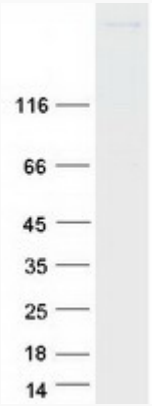
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	AYGIDCLLIDPTLGGRCDTFTTFDASGECGSCVNTPSCPRWSKPKGVKQKCLYNLP FKRNLEGCRERCSLVIQIPRCCKGYFGRDCQACPGGPDAPCNNRGVCLDQYSATG ECKCNTGFNGTACEMCWPGRFGPDCLPCGCSDHGQCDDGITGSGQCLCETGWT GPSCDTQAVLPAVCTPPCSAHATCKENNTCECNLDYEGDGITCTVVDFCKQDNGG CAKVARCSQKGTKVSCSCQKGYKGDGHSCTEIDPCADGLNGGCHEHATCKMTGP GKHKCECKSHYVGDGLNCEPEQLPIDRCLQDNGQCHADAKCVDLHFQDTTVGVFH LRSPLGQYKLTFDKAREACANEAATMATYNQLSYAQKAKYHLCSAGWLETGRVAYP TAFASQNCGSGVVGIVDYGPRPNKSEMWDVFCYRMKDVNCTCKVGYVGDGFSCS GNLLQVLMSFPSLTNFLTEVLAYSNSSARGRAFLEHLTDLSIRGTLFVPQNSGLGEN ETLSGRDIEHHLANVSMFFYNDLVNGTTLQTRLGSKLLITASQDPLQPTETRFVDGR AILQWDIFASNGIIHVISRPLKAPPAPVTLTHTGLGAGIFFAIILVTGAVALAAYSYFRIN RRTIGFQHFESEEDINVAALGKQQPENISNPLYESTTSAPPEPSYDPFTDSEERQLE GNDPLRTLTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	STAB2 stabilin 2 [Homo sapiens (human)]
Official Symbol	STAB2

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Synonyms	STAB2; stabilin 2; FEX2; HARE; FEEL2; FELL2; FELE-2; SCARH1; stabilin-2; CD44-like precursor FELL; FAS1 EGF-like and X-link domain containing adhesion molecule-2; fasciclin egf-like, laminin-type egf-like, and link domain-containing scavenger receptor-2; hepatic hyaluronan clearance receptor; hyaluronan receptor for endocytosis; hyaluronic acid receptor for endocytosis
Gene ID	55576
mRNA Refseq	NM_017564
Protein Refseq	NP_060034
MIM	608561
UniProt ID	Q8WWQ8
SDS-PAGE	

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