

Recombinant Human STOML2, His-tagged

Cat. No. STOML2-31473TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 25-356 of Human STOML2 with N terminal His tag; Predicted MWt 37 kDa.
Species	Human
Source	E.coli
ProteinLength	25-356 a.a.
Description	STOML2 is similar in sequence to stomatin. It is a 356 amino acid protein with a calculated molecular mass of 38.5 kDa. STOML2 has 3 potential initiator sites, all sharing the same open reading frame. The STOML2 protein contains the cognate stomatin family consensus sequence, but it lacks the characteristic N-terminal hydrophobic domain and palmitoylation consensus sequence. STOML2 shares greatest sequence homology with stomatin and SLP1 in a region predicted to contain beta sheet and alpha helix structures. Northern blot analysis detected a 1.5 kb STOML2 transcript in all tissues examined, with highest levels in heart, liver, and pancreas. Western blot analysis detected STOML2 at apparent molecular masses of 45.5 kDa or 44.6 kDa in all human and mammalian cell lines and tissues examined, including red blood cells. Some cells also showed a faint band at about 34.3 kDa, which may represent translation from an alternate initiation site.
Conjugation	HIS
Form	Lyophilised:Reconstitute with 164

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	µl aqua dest.
Storage buffer	Preservative: None Constituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	PRRASSGLPRNTVVLFPQQEAWVVERMGRFHRILEPGLN ILIPVLDRIRYVQSLKEI VINVPEQSAVTLDNVTLQID GVLVLRIMDPYKASYGVEDPEYAVTQLAQTTMRSELG K LSLDKVFRERESLNASIVDAINQAADCWGIRCLRYEIK DIHVPPRVKESMQMQVEA ERRKRATVLESEGTRESAINVA EGKKQAQILASEAEKAEQINQAAGEASAVLAKAKA KAE AIRILAAALTQHNGDAAASLTVAEQYVSAFSKLAKDSN TILLPSNPGDVTSMVA QAMGVYGALTAKAPVPGTPDSLS SGSSRDVQGTDA SLDEELDRVKMS

GENE INFORMATION

Gene Name	STOML2 stomatin (EPB72)-like 2 [Homo sapiens]
Official Symbol	STOML2
Synonyms	STOML2; stomatin (EPB72)-like 2; stomatin-like protein 2; HSPC108; SLP 2;
Gene ID	30968
mRNA Refseq	NM_013442
Protein Refseq	NP_038470
MIM	608292
Uniprot ID	Q9UJZ1

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Chromosome Location	9p13.1
Function	receptor binding;