

Recombinant Human STIM2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. STIM2-4194H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	STIM2 MS Standard C13 and N15-labeled recombinant protein (NP_065911) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene is a member of the stromal interaction molecule (STIM) family and likely arose, along with related family member STIM1, from a common ancestral gene. The encoded protein functions to regulate calcium concentrations in the cytosol and endoplasmic reticulum, and is involved in the activation of plasma membrane Orai Ca(2+) entry channels. This gene initiates translation from a non-AUG (UUG) start site. A signal peptide is cleaved from the resulting protein. Multiple transcript variants result from alternative splicing.
Molecular Mass	82.6 kDa
AA Sequence	MNAAGIRAPEAAGADGTRLAPGGSPCLRRRGRPEESPAAVVAPRGAGELQAAGAP LRFHPASPRRLHPASTPGPAWGWLLRRRRWAALLVLGLLVAGAADGCELVPRHLR GRRATGSAATAASSPAAAAGDSPALMTDPCMSLSPPCFTEEDRFSLEALQTIHKQM DDDKDGGIEVEESDEFIREDMKYKDATNKHSHLHREDKHITIEDLWKRWKTSEVHN WTLEDTLQWLIEFVELPQYEKNFRDNNVKGTTLPRIAVHEPSFMISQLKISDRSHRQK LQLKALDVVLFGPLTRPPHNWMKDFILTVSIVIGVGGCWFAYTQNKTSKEHVAKMMK

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DLESLQTAEQSLMDLQERLEKAQEENRNVAVEKQNLERKMMDEINYAKEEACRLRE
 LREGAECESRRQYAEQEQVRLMALKKAEKEFELRSSWSVPDALQKWLQLTHEV
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 WGSPDCVGLTETKSMIFSPASKVYNGILEKSCSMNQLSSGIPVPKPRHTSCSSAGN
 DSKPVQEAPSVARISSIPHDLCNNGEKS KPSKISLFFKKSKTRTRPLEQKLISEEDL
 AANDILDYKDDDDKV

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 STIM2 stromal interaction molecule 2 [Homo sapiens (human)]

Official Symbol STIM2

Synonyms STIM2; stromal interaction molecule 2; FLJ39527; KIAA1482;

Gene ID 57620

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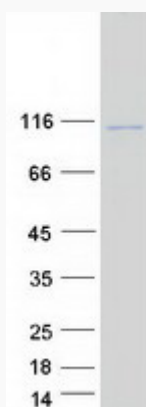
mRNA Refseq NM_020860

Protein Refseq NP_065911

MIM 610841

UniProt ID Q9P246

SDS-PAGE



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