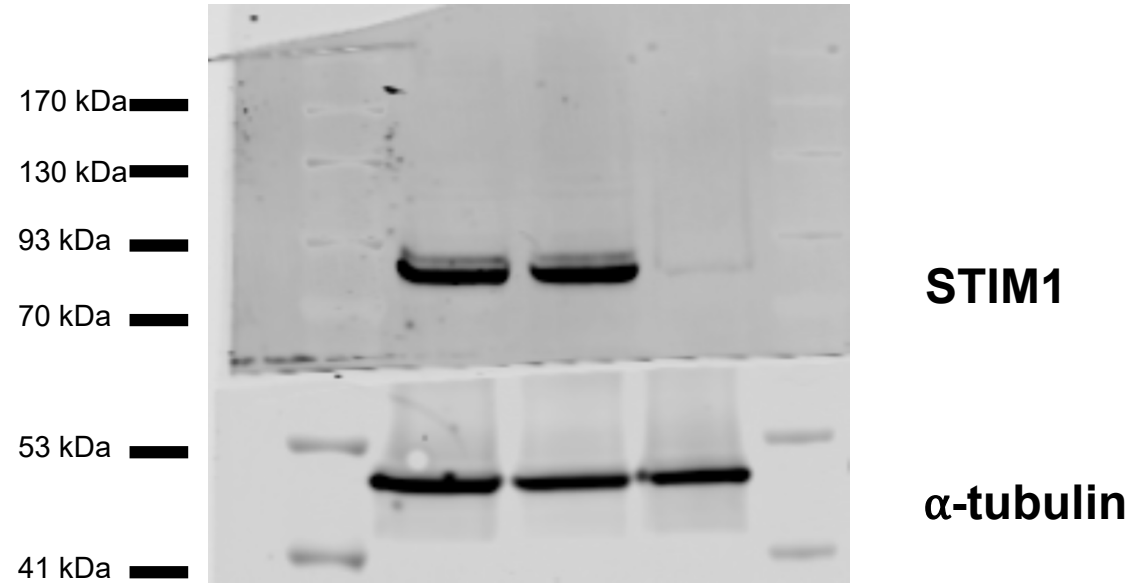


1a

Myh11 Cre
STIM1^{fl/fl}
STIM1 smKO

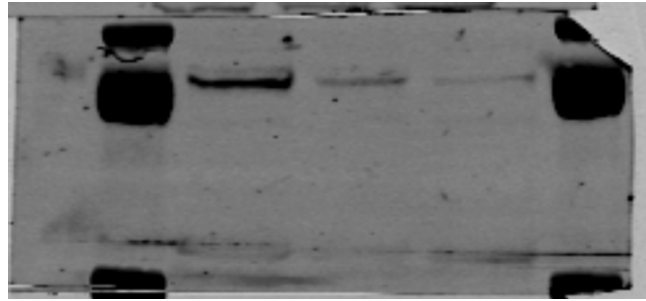


2a

100 kDa

75 kDa

50 kDa



shScramble
shSTIM1 #1
shSTIM1 #5

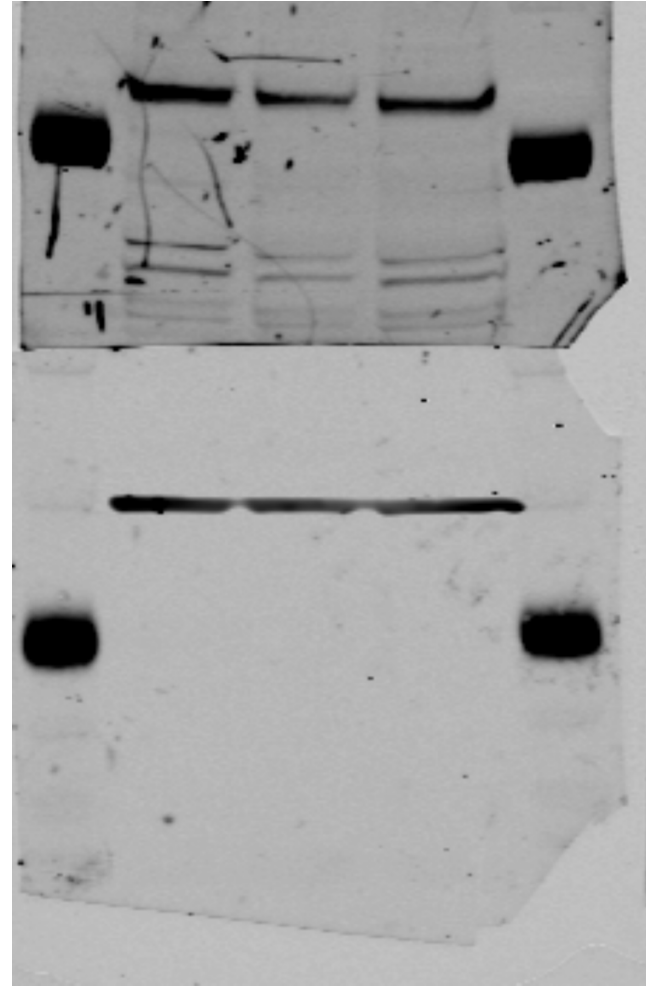
STIM1

shScramble
shSTIM1 #1
shSTIM1 #5

75 kDa

37 kDa

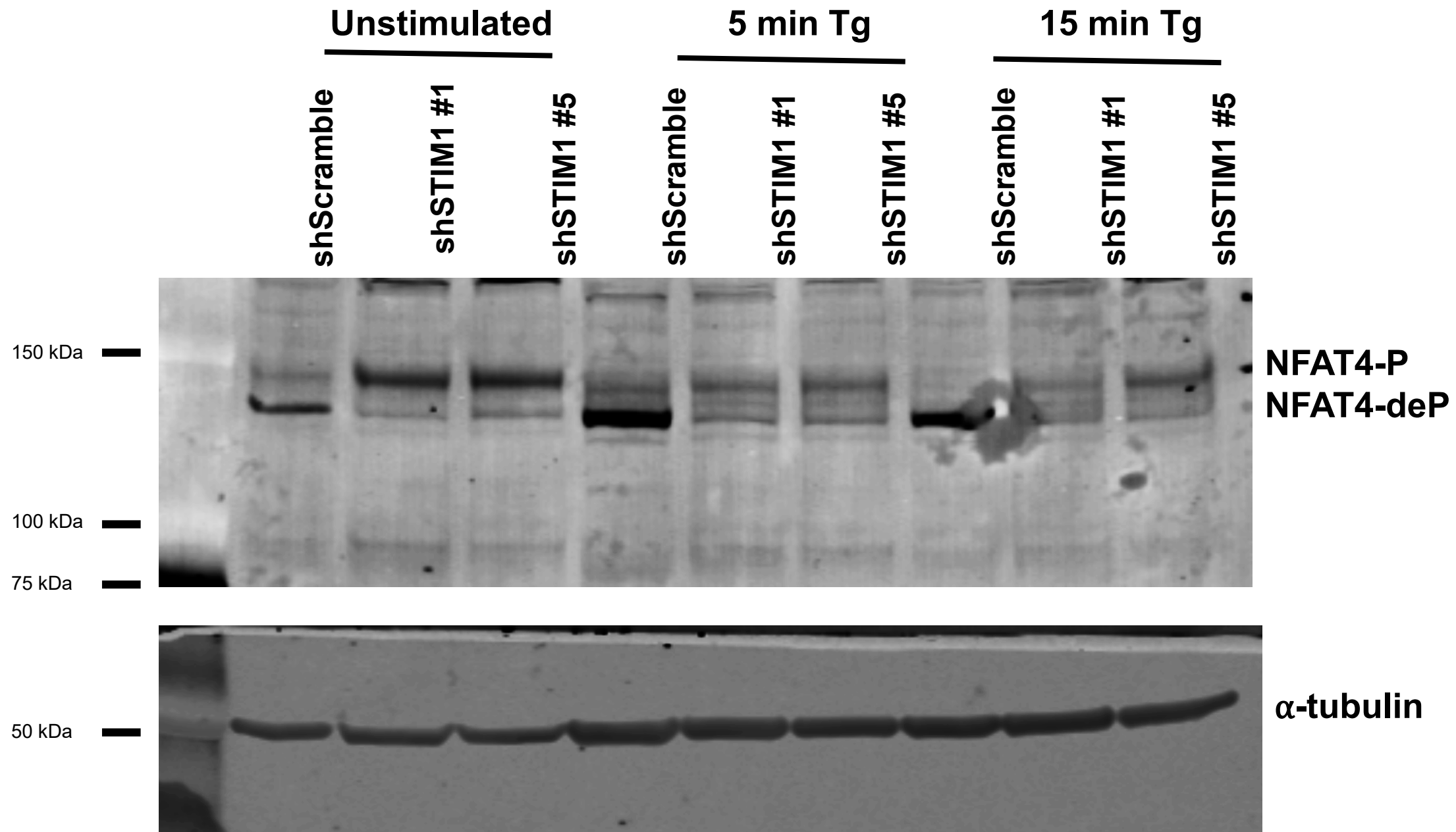
25 kDa



STIM2

GAPDH

4a



5g

shScramble
shSTIM1 #1
shSTIM1 #5

100 kDa

75 kDa



MFN2

50 kDa



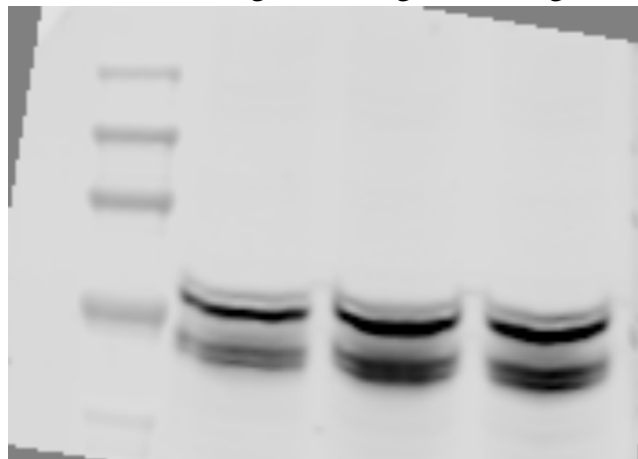
α-tubulin

170 kDa

130 kDa

93 kDa

70 kDa



**OPA1L
OPA1S**

41 kDa

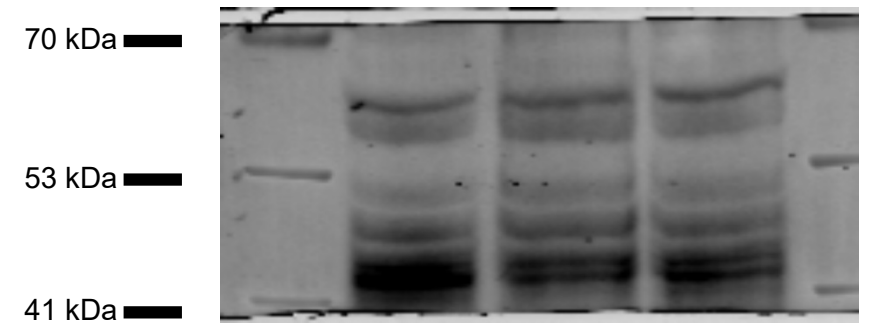
30 kDa



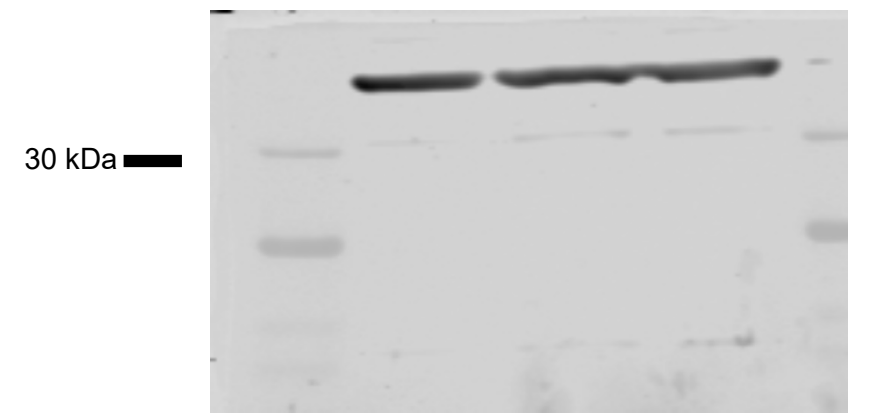
GAPDH

5n

shScramble
shSTIM1 #1
shSTIM1 #5

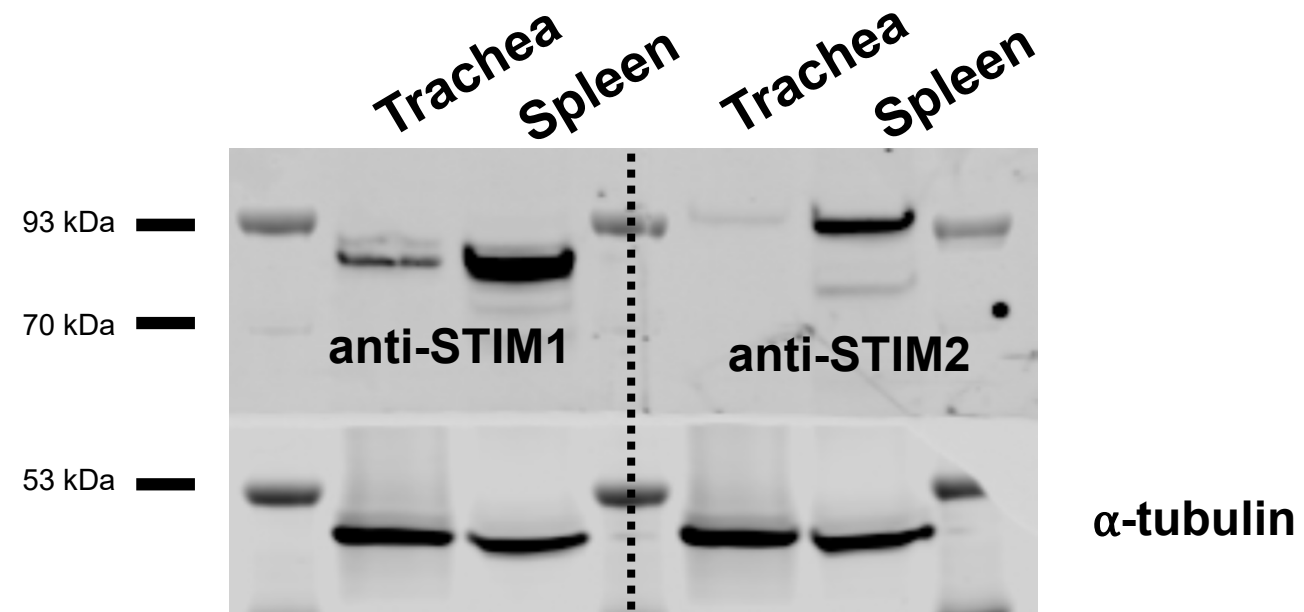


GLUT1

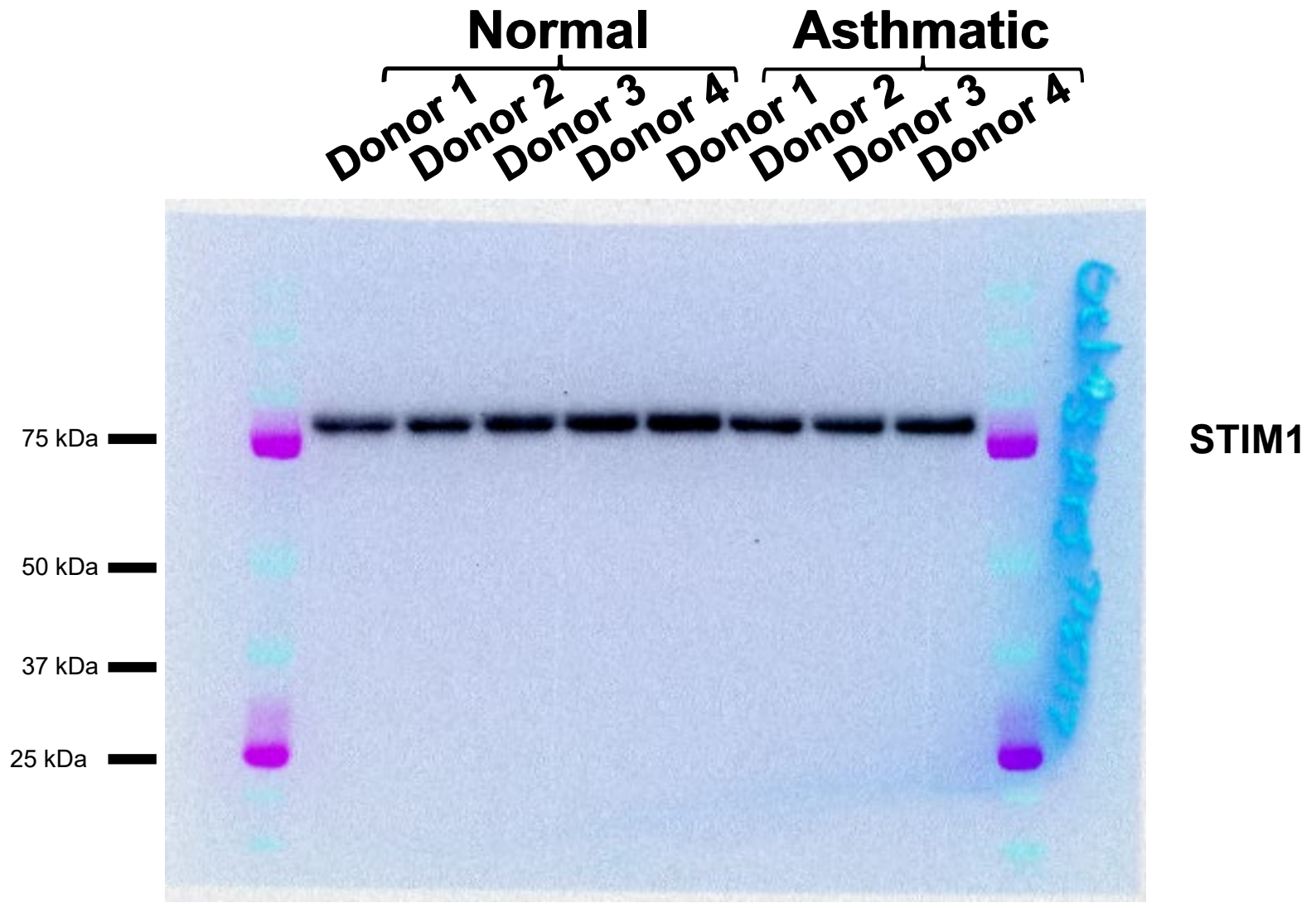


GAPDH

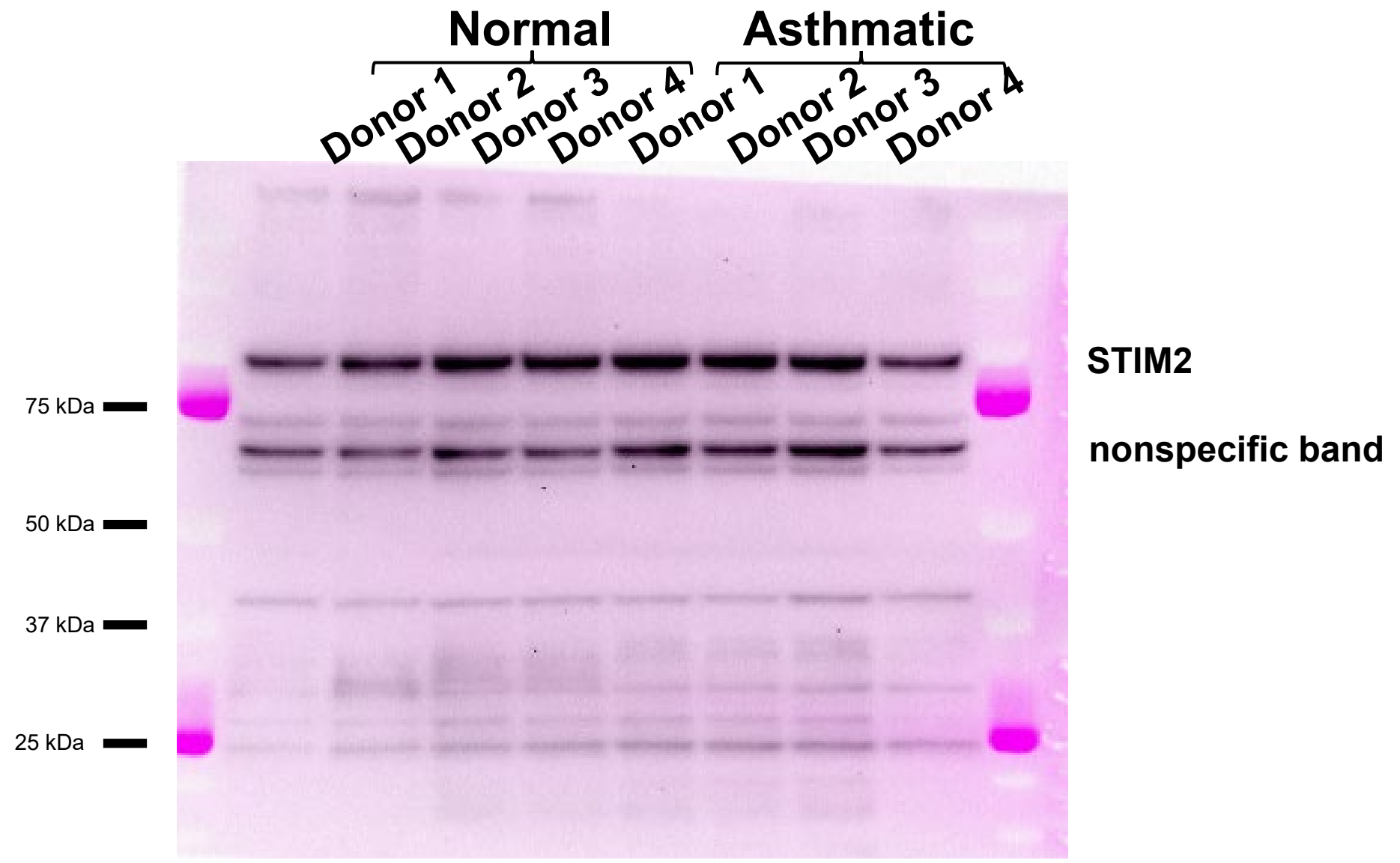
s1c

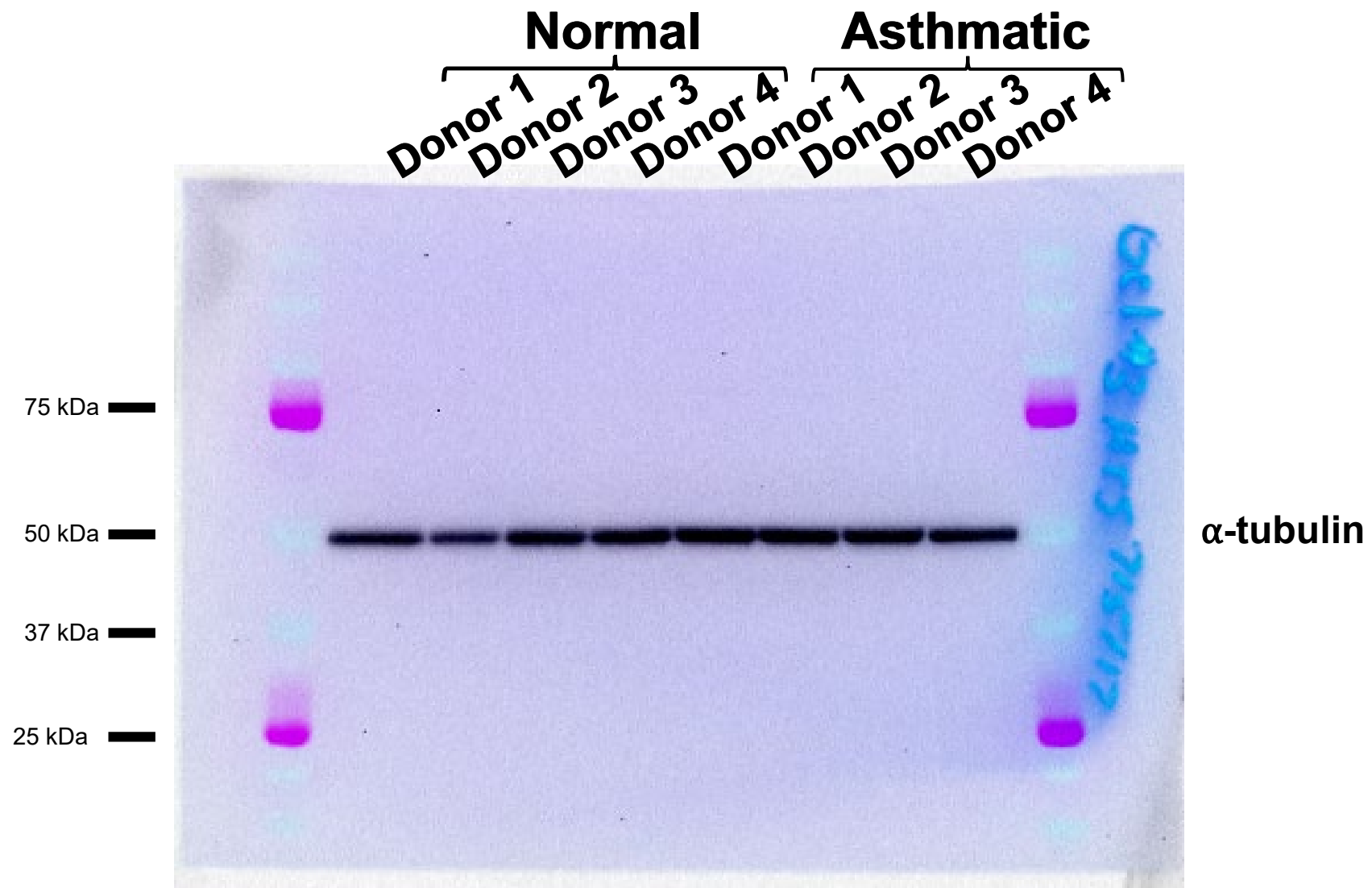


s2b



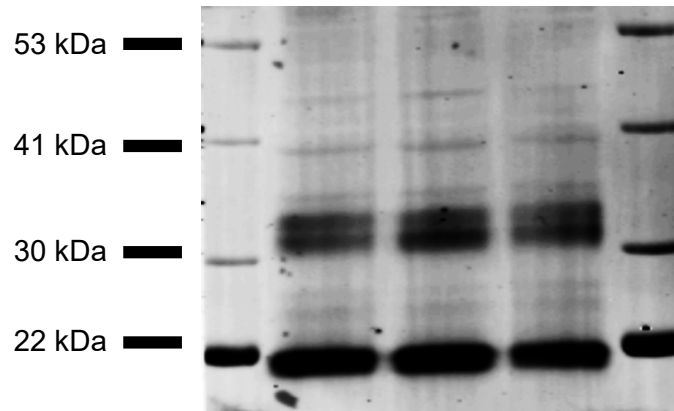
s2b





s3a

shScramble
shSTIM1 #1
shSTIM1 #5



ORAI1 α

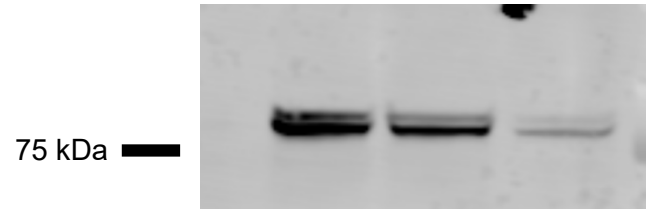
ORAI1 β



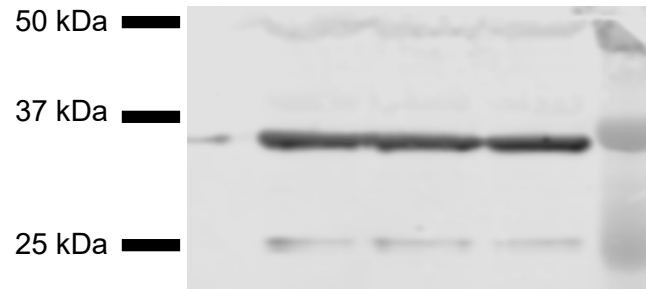
α -tubulin

s3f

shScramble
shSTIM1 #1
shSTIM1 #5



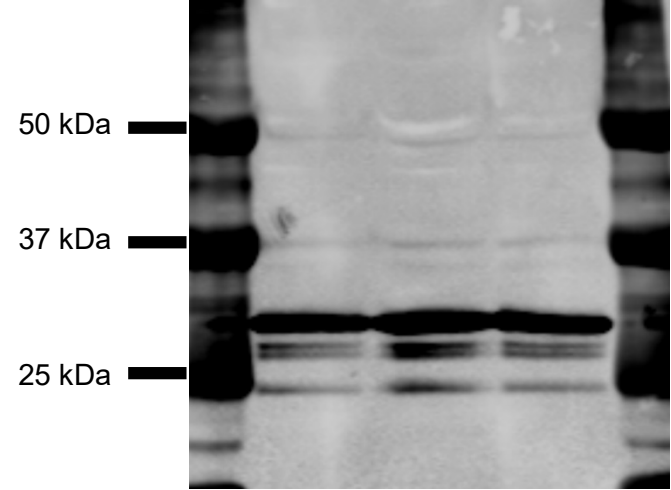
STIM1



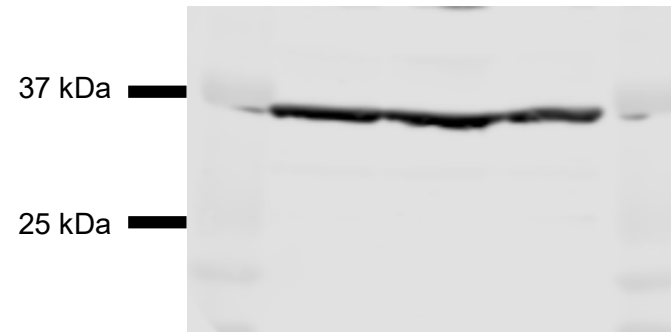
GAPDH

s4c

shScramble
shSTIM1 #1
shSTIM1 #5



Caspase 3
Cleaved Caspase 3



GAPDH

s5g

+ 2 μ M Tg

0'

5'

15'

30'

30'

30'

+ 5 μ M Gd³⁺
+ 1 μ M CsA

150 kDa

100 kDa

75 kDa

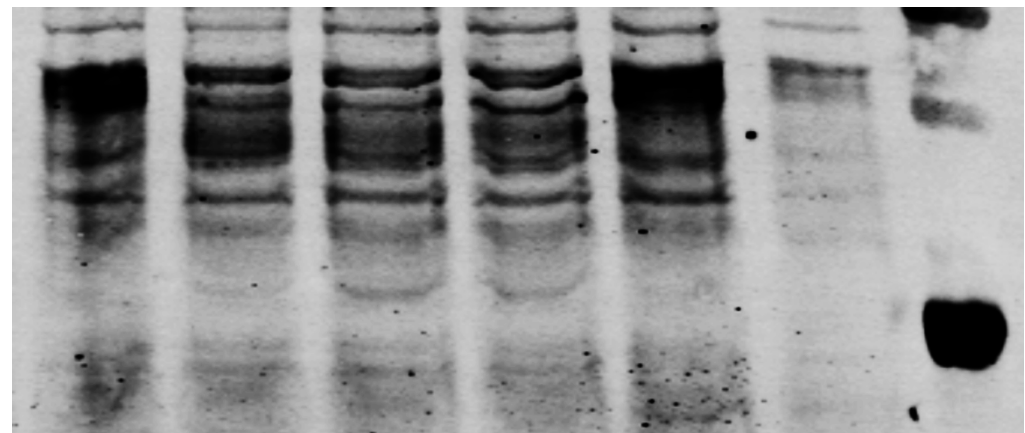
NFAT4-P
NFAT4-deP

75 kDa

50 kDa

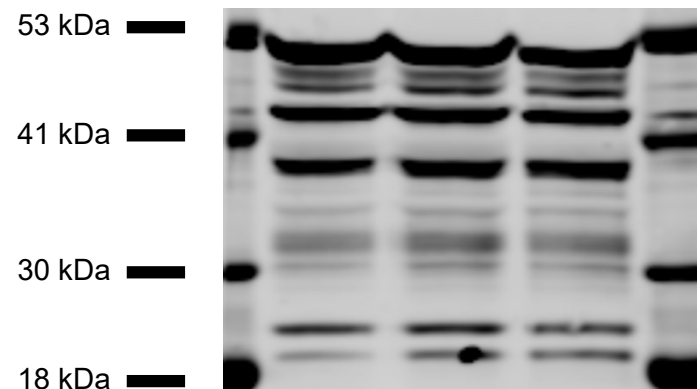
37 kDa

α -tubulin



s8f

shScramble
shSTIM1 #1
shSTIM1 #5



Complex V (ATP5A)
Complex III (UQCRC2)
Complex IV (MTCO1)
Complex II (SDHB)
Complex I (NDUFB8)



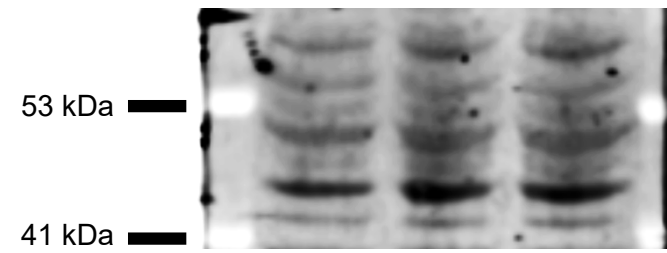
GAPDH

s8h

shScramble
shSTIM1 #1
shSTIM1 #5



PGC1α



PPR_γ2
PPR_γ1



GAPDH