

Product datasheet for PH318423

SMCR7 (MIEF2) (NM_139162) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SMCR7 MS Standard C13 and N15-labeled recombinant protein (NP_631901)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC218423
Predicted MW:	49.3 kDa
Protein Sequence:	>RC218423 protein sequence Red =Cloning site Green =Tags(s)

MAEFSQKRGKRRSDEGLGSMVDFLLANARLVLGVGGAAVLGIATLAVKRFIDRATSPRDEDDTKADSWKE
 LSLLKATPHLQPRPPAALSQPVLPLAPSSAPEGPAETDPEVTPQLSSPAPLCLTLQERLLAFERDRVT
 IPAAQVALAKQLAGDIALELQAYFRSKFPELPFGAFVPGGPLYDGLQAGAADHVRLLVPLVLEPGLWSLV
 PGVDTVARDPRCWAVRRTQLEFCPRGSSPWDRFLVGGYLSRVLLELLRKALAASVNWPAIGSLLGCLIR
 PSMASEELLLEVQHERLELTVAVLVAVPGVDADDRLLAWPLEGLAGNLWLQDLYPVEAARLRALDDHDA
 GTRRRLLLLLCAVCRGCSALGQLGRGHLTQVVLRLGEDNVDWTEEALGERFLQALELLIGSLEQASLPCH
 FNPSVNLFFSSLREEEIDDIGYALYSGLQEPEGLL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_631901</u>
RefSeq Size:	2610
RefSeq ORF:	1362
Synonyms:	COXPD49; MID49; SMCR7


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Locus ID: 125170

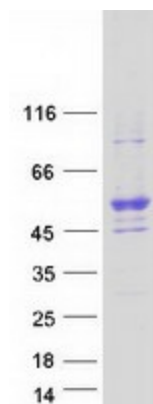
UniProt ID: [Q96C03](#)

Cytogenetics: 17p11.2

Summary: This gene encodes an outer mitochondrial membrane protein that functions in the regulation of mitochondrial morphology. It can directly recruit the fission mediator dynamin-related protein 1 (Drp1) to the mitochondrial surface. The gene is located within the Smith-Magenis syndrome region on chromosome 17. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jun 2011]

Protein Families: Transmembrane

Product images:



Coomassie blue staining of purified MIEF2 protein (Cat# [TP318423]). The protein was produced from HEK293T cells transfected with MIEF2 cDNA clone (Cat# [RC218423]) using MegaTran 2.0 (Cat# [TT210002]).