

## Product datasheet for PH303391

### ASCC2 (NM\_032204) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	ASCC2 MS Standard C13 and N15-labeled recombinant protein (NP_115580)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203391
Predicted MW:	86.4 kDa
Protein Sequence:	>RC203391 protein sequence Red=Cloning site Green=Tags(s)

MPALPLDQLQITHKDPKTGKLRTPSPALHPEQKADRYFVLKPPPKDNIPALVEEYLERATFVANDLDWLL  
ALPHDKFWCQVIFDETLQKCLDSYLRVPRKFDEGVASAPEVVDMMQKRLHRSVFLTFLRMSTHKEKDHDF  
ISPSAFGEILYNNFLFDIPKILDLCVLFKGNSPLLQKMIIGNIFTQQPSYSDLDELPTILQVFSNIIQ  
HCGLQGDGANTTPQKLEERGRTPSDMPLLELKDIVLYLCDTCTTLWAFLDIFPLACQTFQKHDFCYRLA  
SFYEAAIPEMESAIKRRLEDSKLLGDLWQRLSHSRKKLMEIFHIIILNQICLLPILESSCDNIQGFIEEF  
LQIFSSLLQEKRFRLRDYDALFPVAEDISLLQQASSVLDETRTAYILQAVESAWEGVDRRKATDAKDP  
SVIEEPNGEPNGVTVAEAVSQASSHPENSEEEEECMGAAAAGPAMCGVELDSLISQVKDLLPDLGEGF  
ILACLEYYHYDPEQVINNILEERLAPTLSQLDRNLDREMKPDPPTLLTSRHNVFQNFDFVSRDSVDL  
SRVHKGKSTRKEENTRSLNDRKRAVAARQRYEQYSVVVEEVPLQPGESLPYHSVYYEYDDTYDGNQV  
GANDADSDDELISRRPFTIPQVLRRTKVPREGQEEDDDDEDDADEEAPKPDHFVQDPAVLREKAEARR  
MAFLAKKGYRHDSSTAVAGSPRGHGQSRETTQERRKKEANKATRANHNRRTMADRKRKSGMIPS

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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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><a href="#">NP_115580</a></u>



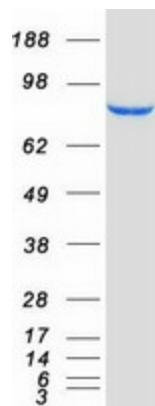
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RefSeq Size: 2840  
RefSeq ORF: 2271  
Synonyms: ASC1p100; p100  
Locus ID: 84164  
UniProt ID: [Q9H1I8](#), [A0A024R1F9](#)  
Cytogenetics: 22q12.2

**Summary:** Plays a role in DNA damage repair as component of the ASCC complex. Recruits ASCC3 and ALKBH3 to sites of DNA damage by binding to polyubiquitinated proteins that have 'Lys-63'-linked polyubiquitin chains (PubMed:29144457). Part of the ASC-1 complex that enhances NF-kappa-B, SRF and AP1 transactivation (PubMed:12077347).[UniProtKB/Swiss-Prot Function]

**Protein Families:** Druggable Genome, Transcription Factors

### Product images:



Coomassie blue staining of purified ASCC2 protein (Cat# [TP303391]). The protein was produced from HEK293T cells transfected with ASCC2 cDNA clone (Cat# [RC203391]) using MegaTran 2.0 (Cat# [TT210002]).