

## Product datasheet for PH322789

### DOCK8 (NM\_203447) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	DOCK8 MS Standard C13 and N15-labeled recombinant protein (NP_982272)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC222789
Predicted MW:	238.3 kDa



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**Protein Sequence:** >RC222789 representing NM\_203447  
 Red=Cloning site Green=Tags(s)

MTHLNSLDVQLAQELGDFD DDDLDVVF TPKECRTLQPSLPEEGVELDPHVRDCVQTYIREWLIVNRKNQG  
 SPEICGFKKTGSRKDFHKTLPKQTFESETLECSPEAAQAGPRHLNVLCDVSGKGPVTACDFDLRSLQPDK  
 RLENLLQQVSAEDFEKQNEEARRTNRQAEFLALYPSVDEEDAVEIRPVPECPKEHLGNRILVKLLTLKFE  
 IEIEPLFASIALYDVKERKKISENFHCDLNSDQFKGFLRAHTPSVAASSQARSVAVFSVTYPPSSDIYLVVK  
 IEKVLQQGEIGDCAEPYTVIKESDGGKSKEKIEKLLQAESFCQRLGKYRMPFAWAPISLSSFFSVSTLE  
 REVTDVDSVVGSRSSVGERRTLAQSRRLSERALSLEENGVSNGFTSTLSVSIFFKQEGDRLSDEDLKF  
 ADYKRSSSLQRRVKSIPGLLRLEISTAPEIINCLTPEMLPVKPFENRTRPHKEILEFPTREVYVPHTV  
 YRNLLVYYPQRLNFVNKLASARNITIKIQFMCGEDASNAMPVIFGKSSGPEFLQEVYTAVTYHNKSPDFY  
 EEVKIKLPAKLTVNHLLFTFYHISCCQKQKQASVETLLGYSWLPILLNERLQTGSYCLPVALEKLPNYS  
 MHSAEKVLQNPPIKWAEGHKGVFNIEVQAVSSVHTQDNHLEKFFTLCHSLESQVTFPIRVLQKISEMA  
 LEHELKLSIICLNSSRLEPLVFLHLVLDKLFQLSVQPMVIAGQTANFSQFAFESVVAIANSLHNSKDLS  
 KDQHGRNCLLASVYHYVFRLEPVQRDVPKSDAPTALLDPRSHTYGRTSAAAVSSKLLQARVMSSSNPDL  
 AGTHSAADEEVKNIMSSKIADRNCRMSYYCSGSSDAPSSPAAPRPASKKHFFHEELALQMVVSTGMVRET  
 VFKYAWFFFELLVKMAQHVHNMMDKRDSTRFRTRFSDRFMDITITIVNVVTSEIAALLVKPQKENEQAEKM  
 NISLAFFLYDLLSLMDRGFVFNLRHYCSQLSAKLSNLPTLISMRLEFLRILCSHEHYLNLNLFMNA  
 DPTSPCPSISSQNSSSSCFQDQKIASMFDLTSEYRQQHFLTGLLFTELAAALDAEGEGISKVQRKAVSA  
 IHSLLSSHDLDRPCVKPEVKVIAALYLPLVGIILDALPQLCDFTVADTRRYRTSGSDEEQEGAGAINQN  
 VALAIAGNNFNLTSGIVLSSLPYKQYNMLNADTTRNLMICFLWIMKNADQSLIRKWIADLPSTQLNRIL  
 DLLFICVLCFEYKQKSSDKVSTQVLQKSRDVKARLEEALLRGEGARGEMMRRRAPGNDRFPGLNENLRW  
 KKEQTHWRQANEKLDKTKAELDQEALISGNLATEAHLIILDMQENIIQASSALDCKDSLGGVLRVLVNS  
 LNCDQSTTYLTHCFATLRALIAKFGDLLFEEVEVQCFLCHQVLHHCSSSMQVTRSQACATLYLLMRF  
 SFGATSNFARVKMQVTMSLASLVGRAPDFNEEHLRRLRTILAYSEEDTAMQMPFPPTQVEELLNLNSILY  
 DTVKMRQFQEDPEMLMDLRYIAKSYQASPDRLRLTWLQNAEKHTKKKCYTEAMCLVHAAALVAEYLSM  
 LEDHSYLPVGSVSFNISSNVLEESVSEDTLSPDEGVCAGQYFTESGLVGLLEQAAELFSTGGLYETV  
 NEVYKLVIPILEAHREFRKLTLTHSKLQRAFDSIVNKDHRMFGTYFRVGFSGSKFGDLDEQEFVYKEPA  
 ITKLPEISHRLEAFYGCQFGAEFVEVIKIDSTPVDKTKLDPNKAYIQITFVEPYFDEYEMKDRVTFEKNF  
 NLRRFMYTTPFTLEGRPRGELHEQYRRNTVLTMMHAFPIKTRISVIQKEEFVLTPIEVAIEDMKKKTQ  
 LAVAINQEPDDAKMLQMLVQGSVGTVNQGPLEVAQVFLAEIPADPKLYRHHNKLRLCFKEFIMRCGEAV  
 EKNKRLITADQREYQQLKKNYNKLENLRPMIERKIPELYKPIFRVESQKRDSEHRSSFRKCETQLSQG  
 S

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:** [NP\\_982272](#)

**RefSeq Size:** 7257

**RefSeq ORF:** 6093

**Synonyms:** HEL-205; MRD2; ZIR8

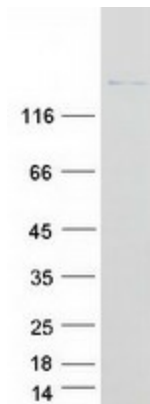
**Locus ID:** 81704

**UniProt ID:** [Q8NF50](#)

**Cytogenetics:** 9p24.3

**Summary:** This gene encodes a member of the DOCK180 family of guanine nucleotide exchange factors. Guanine nucleotide exchange factors interact with Rho GTPases and are components of intracellular signaling networks. Mutations in this gene result in the autosomal recessive form of the hyper-IgE syndrome. Alternatively spliced transcript variants encoding different isoforms have been described.[provided by RefSeq, Jun 2010]

### Product images:



Coomassie blue staining of purified DOCK8 protein (Cat# [TP322789]). The protein was produced from HEK293T cells transfected with DOCK8 cDNA clone (Cat# [RC222789]) using MegaTran 2.0 (Cat# [TT210002]).