

Recombinant Human DOCK8 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. DOCK8-3734H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	DOCK8 MS Standard C13 and N15-labeled recombinant protein (NP_982272) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	238.3 kDa
AA Sequence	MTHLNSLDVQLAQELGDFTDDDLDVVFTPKECRTLQPSLPEEGVELDPHVRDCVQTYIREWLIVNRKNQGSPEICGFKKTGSRKDFHKTLPKQTFESETLECSEPAAQAGPRHLNVLCDVSGKGPVTACDFDLRSLQPKRLENLLQQVSAEDFEKQNEEARRTNRQAE LFALYPSVDEEDAVEIRPVPECPKEHLGNRILVKLLTLKFEIEIEPLFASIALYDVKERK KISENFHCDLNSDQFKGFLRAHTPSVAASSQARSASFVSVTYPSSDIYLVVKIEKVLQQ GEIGDCAEPYTVIKESDGGKSKEKIEKLLQAESFCQRLGKYRMPFAWAPISLSSFFS VSTLEREVTDVDSVVGRRSSVGERRTLQSRRLSERALSLEENGVGSNFKTSTLSVSI FFKQEGDRLSDEDLFKFLADYKRSSSLQRRVKSIPGLLRLEISTAPEIINCCLTPEMLP

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VKPFPENRTRPHKEILEFPTREVYVPHTVYRNLLYVYPQRLNFVNKLASARNITIKIQF
MCGEDASNAMPVIFGKSSGPEFLQEVYTAVTYHNKSPDFYEEVKIKLPAKLTVNHHL
LFTFYHISCQQKQGASVETLLGYSWLPILLNERLQTGSYCLPVALEKLPPNYSMHSA
EKVPLQNPPIKWAEGHKGVFNIEVQAVSSVHTQDNHLEKFFTLCHSLESQVTFPIRV
LDQKISEMALEHELKLSIICLNSSRLEPLVLFLHLVLDKLFQLSVQPMVIAGQTANFSQ
FAFESVVAIANSLHNSKDLSDQHGRNCLLASVHYVFRLEPEVQRDVPKSDAPTALL
DPRSYHTYGRTSAAAVSSKLLQARVMSSSNPDLAGTHSAADEEVKNIMSSKIADRN
CSRMSYYCSGSSDAPSSPAAPRPASKKHFFHEELALQMVVSTGMVRETVEFKYAWFF
FELLVKSMAGHVHNMDKRDSFRRTFRSDRFMDITTIVNVVTSEIAALLVKPQKENE
QAEKMNISLAFFLYDLLSLMDRGFVFNLIIRHYCSQLSAKLSNLPTLISMRLFLRILCS
HEHYLNLNLFMNADTAPTSPCPSISSQNSSSCSSFQDQKIASMFDLTSEYRQQHFL
TGLLFTELAAALDAEGEGISKVQRKAVSAIHSLLSSHLDLPRCVKPEVKVKIAALYLPL
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LSSLPYKQYNMLNADTTRNLMICFLWIMKNADQSLIRKWIADLPSTQLNRILDLLFICV
LCFEYKKGKQSSDKVSTQVLQKSRDVKARLEEALLRGEGARGEMMRRRAPGNDRFP
GLNENLRWKKEQTHWRQANEKLDKTKAELDQEALISGNLATEAHLIILDMQENIIQAS
SALDCKDSLGGVLRVLVNSLNCQSTTYLTHCFATLRALIAKFGDLLFEEVEQCFD
LCHQVLHHCCSSMDVTRSQACATLYLLMRFSFGATSNFARVKMQVTMSLASLVGR
APDFNEEHLRRSLRILAYSEEDTAMQMTPPFTQVEELLCNLNSILYDTVKMREFQE
DPEMLMDLMYRIAKSYQASPDRLTLWLQNMAEKHTKKKCYTEAMCLVHAAALVAE
YLSMLEDHSYLPVGSVSFQNISSNVLEESVVSSEDTLSPDEDGVCAGQYFTESGLVGL
LEQAAELFSTGGLYETVNEVYKLVIPILEAHREFRKLTLTHSKLQRAFDIVNKDHR
MFGTYFRVGGFGSKFGDLDEQEFVYKEPAITKLPEISHRLEAFYGGCFGAEFVEVIKD
STPVDKTKLDPNKAYIQITFVEPYFDEYEMKDRVTYFEKNFNLRRFMYTTPTLEGRP
RGELHEQYRRNTVLTMMHAFPIKTRISVIQKEEFVLTPIEVAIEDMKKKTLQLAVAINQ
EPPDAKMLQMVLQGSVGATVNQGPLEVAQVFLAEIPADPKLYRHHNKLRLCFKEFIM
RCGEAVEKNKRLITADQREYQQELKKNYNKLKENLRPMIERKIPELYKPIFRVESQKR
DSFHRSSFRKCETQLSQGSTTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

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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.

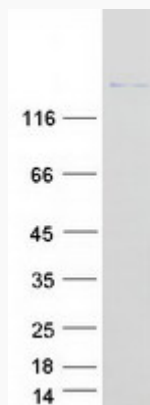
GENE INFORMATION

Gene Name	DOCK8 dedicator of cytokinesis 8 [Homo sapiens (human)]
Official Symbol	DOCK8
Synonyms	DOCK8; dedicator of cytokinesis 8; MRD2; ZIR8; HEL-205; dedicator of cytokinesis protein 8; 1200017A24Rik; epididymis luminal protein 205
Gene ID	81704
mRNA Refseq	NM_203447
Protein Refseq	NP_982272
MIM	611432
UniProt ID	Q8NF50

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SDS-PAGE

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