

Recombinant Human PEX6 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PEX6-686H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PEX6 MS Standard C13 and N15-labeled recombinant protein (NP_000278) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the AAA (ATPases associated with diverse cellular activities) family of ATPases. This member is a predominantly cytoplasmic protein, which plays a direct role in peroxisomal protein import and is required for PTS1 (peroxisomal targeting signal 1, a C-terminal tripeptide of the sequence ser-lys-leu) receptor activity. Mutations in this gene cause peroxisome biogenesis disorders of complementation group 4 and complementation group 6. Several transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	104.1 kDa
AA Sequence	MALAVLRVLEPFPPTETPPLAVLLPPGGPWPAELGLVLALRPAGESPAGPALLVAAL EGPDAGTEEQGPGPPQLLVSRALLRLLALGSGAWVRARAVRRPPALGWALLGTSL GPGLGPRVGPLLVRGETLPVPGPRVLETRPALQGLLGPGTRLAVTELGRARLCP ESGDSSRPPPPPVSSFAVSGTVRRLQGVLGGTGDSLGVSRSCRLRGLGLFQGEWV WVAQARESSNTSQPHLARVQVLEPRWDLSDRLGPGSGPLGEPLADGLALVPATLA FNLGCDPLEMGELRIQRYLEGSIAPEDKGSCSLLPGPPFARELHIEIVSSPHYSTNGN

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YDGVLYRHFQIPRVVQEGDVLCVPTIGQVEILEGSPEKLPRWREMFFKVKKTVEAP
 DGPASAYLADTTHTSLYMGSTLSPVPWLPSEESTLWSSLSPGLEALVSELCAVLK
 PRLQPGGALLTGTSSVLLRGPPGCGKTTVAAACSHLGLHLLKVPCSSLCAESSGA
 VETKLQAIFSRARRCRPAVLLLTAVDLLGRDRDGLGEDARVMAVLRHLLLNEDPLNS
 CPPLMVVATTSRAQDLPADVQTAFPHLEVPALSEGQRLSILRALTAHLPLGQEVNL
 AQLARRCAGFVVGDLYALLTHSSRAACTRIKNSGLAGGLTEEDEGELCAAGFPLLAE
 DFGQALEQLQTAHSQAVGAPKIPSVSWHDVGGQLQEVKKEILETIQLPLEHPELLSLGL
 RRSGLLLHGPPGTGKTLLAKAVATECSLTFLSVKGPELINMYVGQSEENVREVFARA
 RAAAPCIIFDELDLAPSRGRSGDSGGVMDRVVSQLLAELDGLHSTQDVVIGATN
 RPDLLDPALLRPGRFDKLVFVGANEDRASQLRVLSAITRKFKLEPSVSLVNVLDCCP
 PQLTGADLYSLCSDAMTAALKRRVHDLEEGLEPGSSALMLTMEDLLQAAARLQPSV
 SEQELLYKRIQRKFAACTRPLEQKLISEEDLAANDILDYKDDDDKV

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

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 PEX6 peroxisomal biogenesis factor 6 [Homo sapiens (human)]

Official Symbol PEX6

Synonyms PEX6; peroxisomal biogenesis factor 6; peroxisome biogenesis factor 6; PAF 2;

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PXAAA1; peroxin-6; peroxisomal-type ATPase 1; peroxisome assembly factor 2;
peroxisomal AAA-type ATPase 1; PAF2; PAF-2;

Gene ID [5190](#)

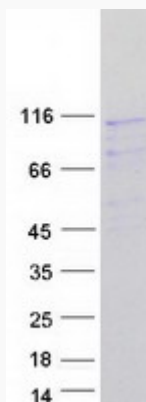
mRNA Refseq [NM_000287](#)

Protein Refseq [NP_000278](#)

MIM [601498](#)

UniProt ID [Q13608](#)

SDS-PAGE



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