

Product datasheet for TP520692

Ube2o (NM_173755) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Purified recombinant protein of Mouse ubiquitin-conjugating enzyme E2O (Ube2o), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species: Mouse
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >MR220692 representing NM_173755
Red=Cloning site Green=Tags(s)

MADPAAPAPAQAQAAAAPTPAAAPAAAAPPPAPATDSASGPSSDSGPEAGSQRLLFSHDLVSGRYRGSVH
 FGLVRLIHGEDSDSEGDDDDGRGSSGCSEAGGAGHEEGRASPLRRGYVRVQWYPEGVKQHVKETKLEDR
 SVVPRDVRHMRSTDSQCGTVIDVNIDCAVKLIGNCIYVNSKDLQHIWPFMYGDYIAYDCWLKGYVD
 LKNQIILKLSNGARCSMNTEDGAKLYDVCPHVSDSGLFFDDSYGFYPGQVLIGPAKIFSSVQWLSGVKPV
 LSTKSKFRVWVEEVQVVELKVTWITKSFPCGGTDSVSPPSIITQENLGRVKRLGCFDHAQRQLGERCLY
 VFPAKVEPAKIAWECPEKNCAQGEESMAKKVKRLLKKQVRIMSCTPDTQCPRDHSMEDPKKGEARAGS
 EIGSASPEEQPDGSASPVEMQDEGSEELQETCEPLPFLKKEGGDDGLHSAEQDADDEAADDTDDTSSVT
 SSASSTSSQSGSGTGRKKSIPLSIKNLKRKHKRKKNKVTRDFKPGDRVAVEVVTMTSADVMWQDGSVE
 CNIRSNLDFPVHHLDNNEFCPGDFVVDKRVQSCPDPVYGVVQSGDHVGRTCMVKWFKL RPSGDDVELIG
 EEEDVSVDIADHPDFRFRRTDIVIRIGNTEDGALPKEDEPSVGQVARVDVSSKVEVWADNSKTIILPQ
 HLYNIESEIEESDYDSVEGSSSGASSDEWEDSDSWETDNGLVDDHEHPKIEELAAILPAEQPTAPEEDKG
 VWISEEAATAAIQGAVAMAAPVAGLMEKAGKDGPCKSFRELKEAIKILESLKNMTVEQLLTGSPTSPTVE
 PEKPTREKKFLDDIKKLQENLKKTLDNVAIAEEEEKMEAVPDTERKEEKPEVQSPVKAEWPSSETPVLCQQC
 GGRPGVTFTSAKGEVFSVLEFAPSNHSFKKIEFQPPEAKKFFSTVRKEMALLATSLPDGIMVKTFFEDRMD
 LFSALIKGPTRTPYEDGLYLFDIQLPNIYPAVPPHFCYLSQCSGRLNPNLYDNGKVCVSLGWTWIGKGE
 RWTSKSSLLQVLISIQGLILVNEPYNEAGFSDRGLQEGYENSRCYNEMALIRVVQSM TQLVRRPPEVF
 EQEIRQHFSVGGWRLVNRIESWLETHAMQERAQVMPNGALKDSSSLEPMAAAELSDSGREEPEDVGMAPG
 EASQGS DSEGGAQGPASASRDHTEQTETAPDASAPPSVRPKRRRSYRSFLPEKSGYPDIFPLPLSKG
 FIKSIRGVLTFRAALLEAGMPESTEDK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK
Predicted MW: 141.3 kDa



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Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_776116
Locus ID:	217342
UniProt ID:	Q6ZPJ3
RefSeq Size:	5192
Cytogenetics:	11 E2
RefSeq ORF:	3864
Synonyms:	9630022H21; B230113M03Rik; E2-230K; mKIAA1734
Summary:	E2/E3 hybrid ubiquitin-protein ligase that displays both E2 and E3 ligase activities and mediates monoubiquitination of target proteins. Negatively regulates TRAF6-mediated NF-kappa-B activation independently of its E2 activity. Acts as a positive regulator of BMP7 signaling by mediating monoubiquitination of SMAD6, thereby regulating adipogenesis. Mediates monoubiquitination at different sites of the nuclear localization signal (NLS) of BAP1, leading to cytoplasmic retention of BAP1. Also able to monoubiquitinate the NLS of other chromatin-associated proteins, such as INO80 and CXXC1, affecting their subcellular location. Acts as a regulator of retrograde transport by assisting the TRIM27:MAGEL2 E3 ubiquitin ligase complex to mediate 'Lys-63'-linked ubiquitination of WASHC1, leading to promote endosomal F-actin assembly.[UniProtKB/Swiss-Prot Function]