

Recombinant Human OTUB2 Catalog No: C242

Description Recombinant Human Ubiquitin Thioesterase OTUB2 is produced by our E.coli expression system and

the target gene encoding Met1-His234 is expressed with a GST tag at the N-terminus.

Source E.coli

Alternative name Ubiquitin Thioesterase OTUB2; Deubiquitinating Enzyme OTUB2; OTU Comain-Containing Ubiquitin

Aldehyde-Binding Protein 2; Otubain-2; Ubiquitin-Specific-Processing Protease OTUB2; OTUB2;

C14orf137; OTB2; OTU2

Accession No. Q96DC9

Formulation Supplied as a 0.2 µm filtered solution of 50mM HEPES, 150mM NaCl, 2mM DTT, pH 7.5.

Quality Control Purity: Greater than 95% as determined by reducing SDS-PAGE.

Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.

Shipping The product is shipped on dry ice/polar packs.

Upon receipt, store it immediately at the temperature listed below.

Storage Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.

Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Amino Acid Sequence MSPILGYWKIKGLVQPTRLLLEYLEEKYEEHLYERDEGDKWRNKKFELGLEFPNLPYYIDGDVKLTQS

MAIIRYIADKHNMLGGC

PKERAEISMLEGAVLDIRYGVSRIAYSKDFETLKVDFLSKLPEMLKMFEDRLCHKTYLNGDHVTHPDFM

LYDALDVVLYMDPMC

LDAFPKLVCFKKRIEAIPQIDKYLKSSKYIAWPLQGWQATFGGGDHPPKSDLVPRGSHMSETSFNLISE

KCDILSILRDHPENRIYR

RKIEELSKRFTAIRKTKGDGNCFYRALGYSYLESLLGKSREIFKFKERVLQTPNDLLAAGFEEHKFRNFF

NAFYSVVELVEKDGSVSS

LLKVFNDQSASDHIVQFLRLLTSAFIRNRADFFRHFIDEEMDIKDFCTHEVEPMATECDHIQITALSQALS

IALQVEYVDEMDTAL NHHVFPEAATPSVYLLYKTSHYNILYAADKH

Reconstitution

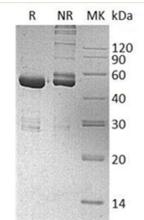
Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100ug/ml.

Dissolve the lyophilized protein in distilled water.

Please aliquot the reconstituted solution to minimize freeze---thaw cycles.

Background

Ubiquitin Thioesterase OTUB2 belongs to the peptidase C65 family, functions as a hydrolase that can remove conjugated ubiquitin from proteins in vitro, may plays an important regulatory role at the level of protein turnover by preventing degradation. OTUB2 is expressed at higher levels in the brain.



SDS-PAGE

