

Recombinant Human USP45

Catalog No: #GP12209



Package Size: #GP12209-1 100ug

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Description

Product Name	Recombinant Human USP45
Brief Description	Recombinant Protein
Immunogen Description	Full length fusion protein
Target Name	ubiquitin specific peptidase 45
Accession No.	Swissprot:Q70EL2Gene Accession:BC005991
Uniprot	Q70EL2
GeneID	85015;
Storage	-20~-80°C, pH 7.6 PBS

Background

The ubiquitin (Ub) pathway involves three sequential enzymatic steps that facilitate the conjugation of Ub and Ub-like molecules to specific protein substrates. A wide range of enzymes facilitate the proteolytic Ub pathway, including USPs (ubiquitin specific peptidases), which are cysteine proteases that are responsible for the release of ubiquitin from a ubiquitylated substrate and precursor fusion proteins. USP45 (Ubiquitin carboxyl-terminal hydrolase 45), also known as Deubiquitinating enzyme 45, is a 819 amino acid protein that is involved in ubiquitin-dependent protein catabolism. USP45 differs from other USPs in that it contains a UBP-type zinc finger, a domain which binds ubiquitin. Although USP45 is broadly expressed, the highest levels can be found in skeletal muscle, spleen and ovary. There are three isoforms of USP45 which are produced as a result of alternative splicing.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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