10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Human recombinant protein linear tetra-ubiquitin

Human recombinant linear tetra-ubiquitin
Catalog # PBV10659r

Specification

Human recombinant protein linear tetra-ubiquitin - Product info

Calculated MW	**34.8 kDa (His Tagged) KDa**

Human recombinant protein linear tetra-ubiquitin - Additional Info

Assay&Purity	**N/A;**
Assay2&Purity2	**N/A;**

Format
Liquid

Storage
-80°C; In 20 mM Tris-HCl, pH 7.5, 0.15 M NaCl and 1 mM EDTA.

Human recombinant protein linear tetra-ubiquitin - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Human recombinant protein linear tetra-ubiquitin - Images

Human recombinant protein linear tetra-ubiquitin - Background

A wide range of cellular processes are modulated through the generation and attachment of polyubiquitin (polyUb) chains to target proteins. Increasing evidence suggests that polyUb chains joined through linear peptide bonds between the C-terminus of a ubiquitin and the N-terminus of another play important functional roles. The enzyme machinery responsible for the generation of linear polyUb chains has been termed LUBAC, consisting of HOIL-1L and HOIP. Chains of these type have been determined to have an open conformation, similar to polyUb K63, but with very distinct functional properties. Linear polyUb chains are cleaved by the deubiquitylases CYLD, USP5 (IsoT), USP2 and have been shown to bind to many UBDs including NEMO and Trabin-n (3xnzf). Recombinant linear chains of defined length are expressed in E. coli and purified to homogeneity. Amide linkages join the N- and C-terminus of each ubiquitin molecule to each other. This molecule is HIS-tagged at the N-terminus of the most distal ubiquitin.