
20S Proteasome Peptide

Subcategory: Synthetic Peptide, Blocking Peptide

Cat. No.: 350541

Unit: 0.1 mg

Description:

The proteasome is a multicatalytic proteinase complex which is characterized by its ability to cleave peptides with Arg, Phe, Tyr, Leu and Glu adjacent to the cleavage site at neutral or slightly basic pH. The proteasome has an ATP-dependent proteolytic activity. The 26S proteasome consists of a 20S proteasome core and two 19S regulatory subunits. The 20S proteasome core is composed of 28 subunits that are arranged in four stacked rings resulting in a barrel-shaped structure. The 20S core is part of the clathrinosome, which contains ubiquitin conjugates, the proteolytically active 20S core and 19S regulatory complexes, and protein substrates of the proteasome.

Format: Each vial contains 0.1 mg of lyophilized peptide.

Reconstitute with 0.1 ml deionized water for a final concentration of 1 mg/ml. Use at 5.6 µg/ml for a 100X excess over antibody for maximum blocking effect.

Alternate Names: Proteasome subunit alpha 1, 2, 3, 4, 5, 6, 7; Proteasome 20S

Accession No.: P25786

MW: 2179.4 g/mol

Sequence: The synthetic peptide used to raise the antibody Cat. No. 200179 is selected from a sequence within the N-term region of human 20S Proteasome. For blocking experiments, a 10 to 100 fold molar excess to antibody is recommended.

Composition: C96H143N23O31S2

Purity: Purity > 80% by HPLC

Solubility: Distilled water for a solution up to 2 mg/ml, otherwise we recommend using acetonitrile.

Storage: Store at -20°C. The product is hygroscopic and must be protected from light. Product is guaranteed one year from the date of shipment. Following reconstitution, store at -20°C.

For research use only, not for diagnostic or therapeutic procedures.