

SMURF1 Peptide

Subcategory: Synthetic Peptide, Blocking Peptide

Cat. No.: 350487

Unit: 0.1 mg

Description:

SMURF1 is an E3 ubiquitin-protein ligase which accepts ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and directly transfers the ubiquitin to targeted substrates. SMURF1 interacts with receptor-regulated SMADs specific for the BMP pathway, SMAD1 and SMAD5, in order to trigger their ubiquitination and degradation.

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 ug/ml for a 100X excess over antibody for maximum blocking effect.

Alternate Names: Smad ubiquitination regulatory factor 1; E3 ubiquitin-protein ligase SMURF1; Smad-specific E3 ubiquitin ligase 1; hSMURF1

Accession No.: Q9HCE7

MW: 1781.9 g/mol

Sequence: The synthetic peptide used to raise the antibody Cat. No. 200125 is selected from a sequence within the center region of human SMURF1. For blocking experiments, a 10 to 100 fold molar excess to antibody is recommended.

Composition: C72H120N26O25S1

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.