

Recombinant human Osteopontin protein (human OPN)

Human Osteopontin with 6X-His tag.

Catalog Number: 004

Expression Host: HEK 293 cells

Species: Human

Endotoxin Level: Endotoxin-free preparation

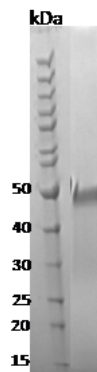
Formulation: Liquid, PBS pH 7.4

Sterile filtration 0,22µm

Storage Conditions: ≤-15°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

Tag: 6x-His (C-term)

Protein concentration: 2 mg/ml



SDS-page, reducing conditions

References:

Raineri D, Dianzani C, Cappellano G, Maione F, Baldanzi G, Iacobucci I, Clemente N, Baldone G, Boggio E, Gigliotti CL, Boldorini R, Rojo JM, Monti M, Birolo L, Dianzani U, Chiocchetti A. Osteopontin binds ICOSL promoting tumor metastasis. *Commun Biol.* 2020 Oct 26;3(1):615. doi: 10.1038/s42003-020-01333-1.

Dianzani C, Bellavista E, Liepe J, Verderio C, Martucci M, Santoro A, Chiocchetti A, Gigliotti CL, Boggio E, Ferrara B, Riganti L, Keller C, Janek K, Niewianda A, Fenoglio C, Sorosina M, Cantello R, Kloetzel PM, Stumpf MP, Paul F, Ruprecht K, Galimberti D, Martinelli Boneschi F, Comi C, Dianzani U, Mishto M. Extracellular proteasome-osteopontin circuit regulates cell migration with implications in multiple sclerosis. *Sci Rep.* 2017 Mar 9;7:43718. doi: 10.1038/srep43718. PMID: 28276434

Boggio E, Dianzani C, Gigliotti CL, Soluri MF, Clemente N, Cappellano G, Toth E, Raineri D, Ferrara B, Comi C, Dianzani U, Chiocchetti A. Thrombin Cleavage of Osteopontin Modulates Its Activities in Human Cells In Vitro and Mouse Experimental Autoimmune Encephalomyelitis In Vivo. *J Immunol Res.* 2016;2016:9345495. doi: 10.1155/2016/9345495.

Clemente N, Comi C, Raineri D, Cappellano G, Vecchio D, Orilieri E, Gigliotti CL, Boggio E, Dianzani C, Sorosina M, Martinelli-Boneschi F, Caldano M, Bertolotto A, Ambrogio L, Sblattero D, Cena T, Leone M, Dianzani U, Chiocchetti A. Role of Anti-Osteopontin Antibodies in Multiple Sclerosis and Experimental Autoimmune Encephalomyelitis. *Front Immunol.* 2017 Mar 23;8:321. doi: 10.3389/fimmu.2017.00321.

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