p62 (human), (recombinant) (GST-tag)

The p62 protein functions as a ubiquitin (Ub)-binding scaffold, which regulates a diverse range of signalling pathways leading to activation of the nuclear factor kappa B (NF-κB) family of transcription factors. p62 also plays an important role in the control of induced osteoclastogenesis,and mutations affecting the SQSTM1 gene are commonly found in patients with the skeletal disorder Paget's disease of bone (PDB). The vast majority of the PDB associated mutations identified cluster within the UBA domain, impairing p62's ability to bind Ub and resulting in dysregulated NF-κB signalling.

p62 is a critical regulator of the degradation of ubiquitinated proteins by macroautophagy.The p62 protein has a domain structure consistent with its participation in multiple signalling complexes, including a C-terminal Ub-associated (UBA) domain through which p62 binds non-covalently to Ub and a LC3 interacting region (LIR), facilitating simultaneous binding to ubiquitinylated proteins and the autophagic machinery *via* LC3/GABARAP. As a result p62 acts as an important substrate receptor for selective autophagy.

Citations: 3 View Online »

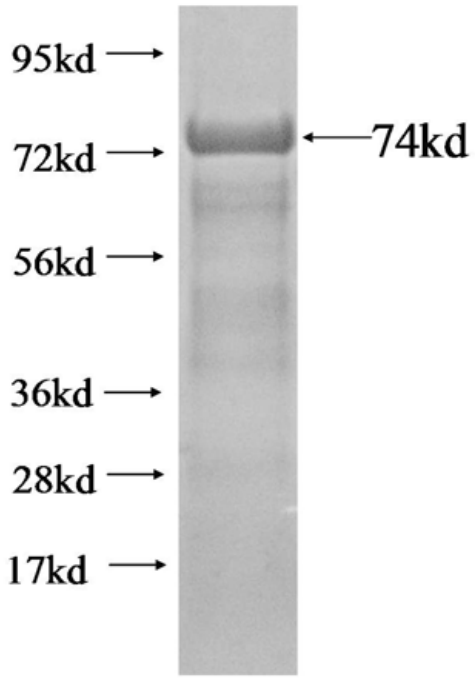
Ordering Information

Order Online »

ENZ-PRT120-0050	50µg

Manuals, SDS & CofA

View Online »



Western Blot analysis of ENZ-PRT120.

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Handling	Avoid freeze/thaw cycles.
Short Term Storage	-20°C
Long Term Storage	-80°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Sequestosome-1, EBI3-associated protein of 60 kDa
Formulation	Lyophilized from sterile PBS, pH 7.4, 5% trehalose, 5% mannitol.
MW	~74.4kDa
Purity	≥75% (SDS-PAGE)
Source	Produced in *E. coli*. Human p62 (1-440 aa) is fused to a N-terminal GST-tag.
UniProt ID	Q13501

Last modified: October 24, 2025

ENZO LIFE SCIENCES, INC.
Phone: 800.942.0430
info-usa@enzolifesciences.com

European Sales Office
ENZO LIFE SCIENCES (ELS) AG
Phone: +41 61 926 8989
info-eu@enzolifesciences.com

Belgium, The Netherlands & Luxembourg
Phone: +32 3 466 0420
info-be@enzolifesciences.com

France
Phone: +33 472 440 655
info-fr@enzolifesciences.com

Germany
Phone: +49 7621 5500 526
info-de@enzolifesciences.com

UK & Ireland
Phone (UK customers): 0845 601 1488
Phone: +44 1392 825900
info-uk@enzolifesciences.com

For local distributors and detailed product information visit us online: enzo.com All product names, logos, and brands are the property of their respective owners.