

Lot # XXXXX

MATERIAL DATA SHEET

USP47, human recombinant

Cat. # E-626

Ubiquitin carboxyl-terminal hydrolase 47 (USP47) is a C19 type peptidase with a predicted molecular weight of 157 kDa. The human protein shares 95% and 96% amino acid sequence identity with its mouse and rat orthologs, respectively. USP47 has been reported to play roles in inflammasome activation and colon cancer progression. This recombinant protein contains an n-terminal 10-His tag.

Product Information

Quantity:	50 µg
Stock:	X mg/ml (X µM) in 50 mM HEPES pH 7.5, 150 mM NaCl, 1 mM TCEP
MW:	160 kDa
Source:	<i>Spodoptera frugiperda</i> (baculovirus)
Purity:	> 90% by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie Blue stain

Use & Storage

Use:	Recombinant Human USP47 is a Ubiquitin deconjugating enzyme. Reaction conditions will need to be optimized for each specific application. We recommend an initial concentration of 10-100 nM USP47 when using Ubiquitin-AMC (U-550) or Ubiquitin-Rhodamine (U-555) as a substrate.
Storage:	Store at -80°C. Avoid multiple freeze/thaw cycles.

Literature

References:	Palazón-Riquelme, P. <i>et al.</i> (2018) <u>EMBO Rep.</u> doi: 10.15252/embr.201744766 Yu, L. <i>et al.</i> (2019) <u>Cancer Letters</u> doi: 10.1016/j.canlet.2019.01.039
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