

MATERIAL DATA SHEET**26S Proteasome Fraction****Cat. # F-365**

Mammalian 26S proteasome purified through a specific series of specialized chromatographic steps yields a partially purified fraction containing 26S proteasome and no conjugation enzymes (E1, E2s, and E3s). This stable fraction is preferred for the degradation of pre-formed ubiquitin-protein conjugates by the 26S proteasome since highly purified 26S is costly and more labile. 26S concentration is estimated based on analytical SEC at 1500 kDa and quantitation of the 20S core particle activity using a fluorogenic peptide substrate.

Product Information

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| Quantity: | 200 μ L |
| Stock: | Estimated 26S concentration = X nM. Concentration will vary with Lot#. Buffer: 50 mM Hepes pH 7.6, 1 mM MgATP, 1 mM DTT, 150 mM NaCl, 10 % glycerol. |

Use & Storage

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| Use: | For best results, aliquot and freeze after first set of experiments to avoid multiple freeze/thaw cycles. Typical concentrations for use are 5-50 nM depending on conditions. |
| Storage: | Store at -80°C. Once thawed, keep on ice prior to use. |

Literature

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| References: | Driscoll J. and Goldberg A.L. (1990) <i>J. Biol. Chem.</i> 265 :4789-4792 Ganoth D., <i>et al.</i> (1988) <i>J. Biol. Chem.</i> 263 :12412-12419 Voges D., <i>et al.</i> (1999) <i>Ann. Rev. Biochem.</i> 68 :1015-1068 Waxman L., <i>et al.</i> (1987) <i>J. Biol. Chem.</i> 262 :2451-2457 |
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