

Product datasheet for **TP720154M**

Sumo 2 (SUMO2) (NM_001005849) Human Recombinant Protein

Product data:

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|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human SMT3 suppressor of mif two 3 homolog 2 (<i>S. cerevisiae</i>) (SUMO2), transcript variant 2 |
| Species: | Human |
| Expression Host: | <i>E. coli</i> |
| Expression cDNA Clone or AA Sequence: | Met1-Gly93 |
| Tag: | N-His |
| Predicted MW: | 13 kDa |
| Concentration: | lot specific |
| Purity: | >95% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4. |
| Endotoxin: | < 0.1 EU per µg protein as determined by LAL test |
| Reconstitution Method: | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. Dissolve the lyophilized protein in ddH ₂ O. It is not recommended to reconstitute a concentration less than 100 µg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |
| Storage: | Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. |
| Stability: | Stable for at least 6 months from date of receipt under proper storage and handling conditions. |
| RefSeq: | NP_001005849 |
| Locus ID: | 6613 |
| UniProt ID: | P61956 |
| Cytogenetics: | 17q25.1 |
| Synonyms: | HSMT3; Smt3A; SMT3B; SMT3H2; SUMO3 |



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Summary:

This gene encodes a protein that is a member of the SUMO (small ubiquitin-like modifier) protein family. It functions in a manner similar to ubiquitin in that it is bound to target proteins as part of a post-translational modification system. However, unlike ubiquitin which targets proteins for degradation, this protein is involved in a variety of cellular processes, such as nuclear transport, transcriptional regulation, apoptosis, and protein stability. It is not active until the last two amino acids of the carboxy-terminus have been cleaved off. Numerous pseudogenes have been reported for this gene. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]

Protein Families:

Druggable Genome

Product images: