Synthetic Human Di-ubiquitin (K29-linked) Protein

Cat. No. UBA52-06H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Synthetic Human Di-ubiquitin (K29-linked) Protein
Species	Human
Source	Synthetic
Description	Ubiquitin is a highly conserved nuclear and cytoplasmic protein that has a major role in targeting cellular proteins for degradation by the 26S proteosome. It is also involved in the maintenance of chromatin structure, the regulation of gene expression, and the stress response. Ubiquitin is synthesized as a precursor protein consisting of either polyubiquitin chains or a single ubiquitin moiety fused to an unrelated protein. This gene encodes a fusion protein consisting of ubiquitin at the N terminus and ribosomal protein L40 at the C terminus, a C-terminal extension protein (CEP). Multiple processed pseudogenes derived from this gene are present in the genome.
Molecular Mass	~17.1 kDa
AA Sequence	MQIFVKTLTGKTITLEVEPSDTIENVKAKIQDKEGIPPDQQRLIFAGKQLEDGRTLSDY NIQKESTLHLVLRLRGG
Purity	>98% by InstantBlue SDS-PAGE
Stability	12 months at -70 centigrade; aliquot as required
Storage	At -70 centigrade.

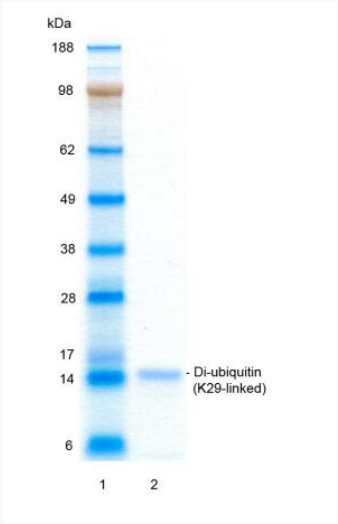
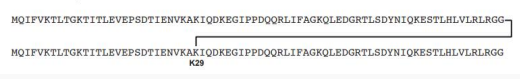
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Concentration	0.5 mg/mL
Storage Buffer	50 mM HEPES pH 7.5, 150 mM sodium chloride, 2 mM dithiothreitol, 10% glycerol

GENE INFORMATION

Gene Name	UBA52 ubiquitin A-52 residue ribosomal protein fusion product 1 [Homo sapiens (human)]
Official Symbol	UBA52
Synonyms	UBA52; ubiquitin A-52 residue ribosomal protein fusion product 1; L40; CEP52; RPL40; HUBCEP52; ubiquitin-60S ribosomal protein L40; ubiquitin carboxyl extension protein 52; ubiquitin-52 amino acid fusion protein; ubiquitin-CEP52
Gene ID	7311
mRNA Refseq	NM_003333
Protein Refseq	NP_003324
MIM	191321
UniProt ID	P62987

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Purity	 4-12% gradient SDS-PAGE InstantBlue staining Lane 1: MW markers Lane 2: 1 µg Di-ubiquitin (K29-linked)
Protein Sequence	

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