

Product datasheet for **TP761608**

C1orf146 (NM_001012425) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human chromosome 1 open reading frame 146 (C1orf146), full length, with N-terminal GST and C-terminal HIS tag, expressed in E. coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding human full-length C1orf146
Tag:	N-GST and C-His
Predicted MW:	48.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, pH 8.0, 150 mM NaCl, 1% sarkosyl, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001012425
Locus ID:	388649
UniProt ID:	Q5VVC0
RefSeq Size:	751
Cytogenetics:	1p22.1
RefSeq ORF:	540
Synonyms:	SCRE; SPO16



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Summary:

Plays a key role in reinforcing the integrity of the central element of the synaptonemal complex (SC) thereby stabilizing SC, ensuring progression of meiotic prophase I in male and female germ cells (By similarity). Promotes homologous recombination and crossing-over in meiotic prophase I via its association with SHOC1 (By similarity). Required for the localization of TEX11 and MSH4 to recombination intermediates (By similarity).[UniProtKB/Swiss-Prot Function]

Product images: