

## Product datasheet for PH312607

### MST4 (STK26) (NM\_016542) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	MST4 MS Standard C13 and N15-labeled recombinant protein (NP_057626)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC212607
Predicted MW:	46.5 kDa
Protein Sequence:	>RC212607 protein sequence Red=Cloning site Green=Tags(s)

MAHSPVAVQVPGMQNNIADPEELFTKLERIGKGSFGEVFKGIDNRTQQVVAIKIIDLEEAEDIEDIQQE  
ITVLSQCDSSYVTKYYGSLKSKLWIIMEYLGGSALDLLRAGPFDEFQIATMLKEILKGLDYLHSEKK  
IHRDIKAANVLLSEQGDVKLADFGVAGQLTDTQIKRNTFVGTPFWMAPEVIQQSAYDSKADIWSLGITAI  
ELAKGEPNSDMHMPRVFLIPKNNPPTLVGDFTESFKEFIDACLNKDPFRPTAKELLKHKFIVKNSKK  
TSYLTELIDRFKRWKAEGHSDDESSEGSSESTSRNNTHPEWSFTTVRKKPDPKVKVQNGAEQDLVQTL  
SCLSMIITPAFAELKQDENNASRNQAIIEELEKSI AVAEAAACPGITDKMVKKLIEKFQKCSADESP

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u><a href="#">NP_057626</a></u>
RefSeq Size:	3352
RefSeq ORF:	1248
Synonyms:	MASK; MST4
Locus ID:	51765



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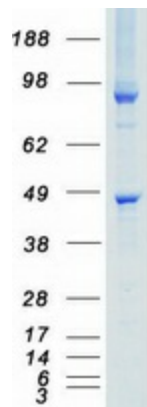
UniProt ID: [Q9P289](#)

Cytogenetics: Xq26.2

**Summary:** The product of this gene is a member of the GCK group III family of kinases, which are a subset of the Ste20-like kinases. The encoded protein contains an amino-terminal kinase domain, and a carboxy-terminal regulatory domain that mediates homodimerization. The protein kinase localizes to the Golgi apparatus and is specifically activated by binding to the Golgi matrix protein GM130. It is also cleaved by caspase-3 in vitro, and may function in the apoptotic pathway. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been determined. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome, Protein Kinase

### Product images:



Coomassie blue staining of purified STK26 protein (Cat# [TP312607]). The protein was produced from HEK293T cells transfected with STK26 cDNA clone (Cat# [RC212607]) using MegaTran 2.0 (Cat# [TT210002]).