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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## Data Sheet

### EZH2 (H689Y) /EED/SUZ12/RbAp48/AEBP2

Human, recombinant  
**Catalog #:** 51023  
**Lot #:** 111213      **Conc.:** 0.17 mg/ml

**Formulated in:** 40 mM Tris-HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl, 200 mM imidazole, and 20% glycerol.

**Stability:** >6 months at -70 °C. *Avoid freeze/thaw cycles.*

**References:**

1. Varambally, S. *et al. Science* **322** (5908), 1695-1699 (2008).
2. Rakotobe, D. *et al., Virol. J.* **5**, 32 (2008).

**Application Reference:**

Morin, R.D., *et al. Nat Genet.* 2010 February; **42**(2): 181-185.

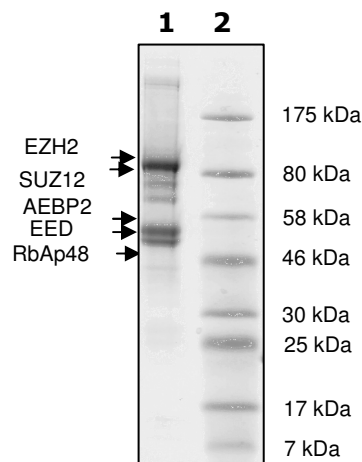
**Description:** Mutant version of BPS's regular EZH2 5-member complex (Cat. # 51004), but with a His-to-Tyr mutation on a.a. 694 of the EZH2 protein.\* Complex of human EZH2 (GenBank Accession No. NM\_004456), (a.a. 2-end ; H694Y) with N-terminal His-tag, MW= 86 kDa, human EED (NM\_003797) (a.a. 2-end) with N-terminal Flag-tag, MW= 51 kDa, human SUZ12 (NM\_015355) (a.a. 2-end) with N-terminal His-tag, MW = 87 kDa, Human AEBP2 (NM\_153207) (a.a. 2-end) with N-terminal His-tag, MW= 53 kDa, and human RbAp48 (NM\_005610) (a.a. 2-end) with N-terminal His-tag, MW = 48 kDa, co-expressed in a baculovirus expression system. \*This mutation is equivalent to H689Y in variant 3 (GenBank Accession No. NM\_001203247).

**Application:** Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.

### Quality Assurance

**4-20% gradient SDS-PAGE**  
**Coomassie staining**

**Lane 1:** 4 µg enzyme complex  
**Lane 2:** Protein Marker



**Purity:** ≥ 87%

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6044 Cornerstone Court West, Suite E  
San Diego, CA 92121  
Tel: 1.858.829.3082  
Fax: 1.858.481.8694  
Email: [info@bpsbioscience.com](mailto:info@bpsbioscience.com)

**Sequence:**

**MHHHHHH**GQTGKKSEKGPVCWRKRVKSEYMRLRQLKRFRRRADEVKSMFSSNRQKI  
LERTEILNQEWKQRRRIQPVHILTSVSSLRGTRECSVTSDLDFPTQVIPLKTLNAVASVPI  
MYSWSPLQQNFMVEDETVLHNIPYMGDEVLDQDGTFFIEELIKNYDGKVHGDRECGFIN  
DEIFVELVNALGQYNDDDDDDDGDDPEEREKQKDLEDHRDDKESRPPRKFPSPDKIF  
EAISSMFPDKGTAEELKEKYKELTEQQLPGALPPECTPNIDGPNKSVQREQSLHSFH  
TLFCRRCFKYDCFLHRKCNYSFHATPNTYKRKNTETALDNKPCGPQCYQHLEGAKEF  
AAALTAERIKTPPKRPGRRRRLPNSSRPSTPTINVLESKDTDSREAGTETGGE  
NNDKEEEEKKDETSSSEANSRCQTPIKMKPNIEPPENVEWSGAEASMFRLVIGTYID  
NFCAIARLIGTKTCRQVYEFVRVKESSIIAPAPAEDVDTPPRKKRKHRLWAAHCRKIQL  
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QCNTKQCPCYLAVRECDPDLCLTCGAADHWDSKNVSKNCSIQRGSKKHLLLAPSD  
VAGWGIFIKDPVQKNEFISEYCGEISQDEADRRGKVYDKYMCSFLFNLNDFVVDAT  
RKGNKIRFANYSVNPNCYAKVMMVNGDHRIGIFAKRAIQTGEELFFDYRYSQADALKY  
VGIEREMEIP

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